



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VAAGDEVI ENGINEERING COLLEGE

**KHAMMAM ROAD, BOLLIKUNTA, KHILA WARANGAL (MANDAL),
WARANGAL-506 005**

506005

www.vecw.edu.in

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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The **Vaagdevi Engineering College (VEC)** was established in the year 2008 at Warangal sponsored by Viswambhara Educational Society, Warangal, Telangana, to impart quality education for the development of the region. Institute is approved by AICTE and affiliated to JNTUH, Hyderabad.

The College has a 10 acres (18473.5 m²) of sprawling area with greenery and pleasant environment just 6 kms away from the historical town of Warangal on the NH 563. This Institute has 5 departments, offering 4 B.Tech Programmes namely ECE,CSE, CSE(AI&ML), CSE(Data Science) and 3 PG Programmes including M.Tech and MBA. We are in the process of applying for NAAC accreditation for the U.G. and P.G. programmes.

Vision

Striving continuously for global recognition through academic excellence in higher education for the betterment of society.

Mission

- To produce technically competent and socially responsible engineers with ethical values through innovative teaching learning process.
- To promote research and entrepreneurship culture among faculty and students

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Good established infrastructural facilities with ICT enabled class rooms and with well equipped laboratories.

Institute has a good library facility around 32456 books, **17828** reputed e-journals, 3 print journals and **3454** e-books. NPTEL content for the usage of students and staff.

Campus is fully Wi-Fi enabled with **300** Mbps connectivity.

Having **10** MoUs with institutions of national, international importance, industries, corporate houses.

The faculty members are an ideal blend of youth and experienced. 12 are Ph D faculty and 7 faculty members are pursuing Ph D.

College encourages faculty for Ph D and Post-doctoral research.

Students are encouraged with financial support for innovation & real time projects, patent filing, conferences,

games & sports, etc., and fee waiver for the needy students.

Students are actively counseled by the faculty. One faculty is nominated for about 15 students as a mentor.

More than **80%** of eligible students get gainfully engaged every year in leading companies.

Institutional Weakness

Industry-Institution Interaction needs to be strengthened further. Faculty with industrial experience is less in number.

Communication skills of students needs to be improved more. Consultancy and extension activities need improvement.

Research activity need to be strengthened.

Technology incubators to be encouraged to build new technologies for industry transfer.

Institutional Opportunity

Warangal is a new destination for Textile Park, Software Technology Park, Smart City and very close to state capital Hyderabad, scope for career development for students.

The college has set up smart classrooms and is in the process of converting every class room into ICT enabled class room.

Close proximity to NITW, giving scope for research guidance.

The interdisciplinary research in niche areas is the need of the day, which gives opportunity in all areas.

Student exchange programmes with premier institutions in India and foreign Universities are possible.

Institutional Challenge

Coping with rapid changing in technology and the industrial requirements to improve the employability of the students is the biggest challenge for self financed institutions.

Retaining the Ph D faculty, as there is a high employment opportunities in Government institutes. Training the faculty as per the industry needs.

Poor educational standards of the students exert pressure on the teachers. The above give a comprehensive list of the SWOC analysis of the college.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The **Vaagdevi Engineering College(VEC)** is affiliated to JNTUH and taking every care to follow the updated contents of the syllabi as prescribed to be relevant to the demands of the industry and introducing topics in the emerging areas of the discipline. The **VEC** aims to meet learning objectives and program specific outcomes keeping in view the technological changes from time to time. Great impetus is given, while following the revised course content, for the employability and entrepreneurship.

The cross-cutting issues like Gender, Environmental sustainability, Human Values and Professional Ethics, etc., find an ample space when it comes to applying them positively into the curriculum. We believe in sensitizing the students by including the above topics as part of curriculum. The college conducts various programmes on these topics to provide awareness among students. The Institution has aimed at inculcating social values and responsibilities besides academics among students. It is committed towards gender equity, natural justice, human dignity, gender equality. The institute conducts regularly value added courses involving all the students imparting transferable and life skills . We have taken internships very seriously, and the students are sent for internship to a concerned establishment/industry for hands on training and exposure.

Teaching-learning and Evaluation

Admissions to B.Tech. Courses - among others – are made on the basis of a common entrance test (**EAMCET**) conducted by the State government, and through centralized counseling.

After admissions, an orientation programme is conducted for the B.Tech. I-Years. They have courses of Basic Sciences & Humanities to bridge the gap between Intermediate subjects and B.Tech. The slow learners and fast learners are identified by observing their class-room behaviour, performance in the class tests, laboratories. And, the fast learners are encouraged to do skill development programmes, and motivated to enrol themselves in professional bodies like **ISTE, IEEE, IETE, and CSI**, etc., whereas the others are encouraged to extra classes and assignments.

The student – full time teacher ratio better than 20:1 is maintained strictly for best academic standards. As far as facilities to differently-abled students are concerned, we have created all the physical facilities such as ramps, and lifts.

Teachers follow student – centered approach to promote interest, analytical research, critical thinking and enjoyment among students to enhance our role in shaping education, and to improve the quality of the education.

We have a strong mentoring System wherein for every small group of students, one teacher is attached as Mentor who will closely monitor the students in terms of attendance, discipline, performance in the class tests and will be informing their respective parents almost daily basis. On an average for every (15) students, one mentor is nominated which is workable and viable.

The Academic Calendar is strictly adhered as per JNTUH Guideliness. At the end of every year, well before the commencement of next academic year, the staff recruitment process is completed.

All efforts are made to to attain the results to see that 90% of students have graduated.

Research, Innovations and Extension

Vaagdevi Engineering College (VEC) adheres to the code of ethics. About **107** research articles in journals, **23** books and book chapters/conference proceedings have been published and **2** patents have been published.

Institute has conducted various extension and outreach programs in collaboration with industry, community and NGOs. All students involve in various social outreach activities in and around the institute. A total of **82** extension and outreach programs are conducted in collaboration with industry, community and non-governmental organizations through NSS/NCC/Red Cross/YRC etc., for which **21** recognitions/awards have been received from the government/recognized bodies during the last five years.

Around **1655** students of the institute have collaborated with industries for internship, on-the-job training, and project work. The institute has **10** functional MoUs with institutions of national, international importance, industries and corporate houses.

Infrastructure and Learning Resources

The Institution has adequate facilities for teaching – learning such as classrooms, laboratories, computing equipment; facilities for sports, games and cultural activities, seminar halls, indoor and outdoor stadiums, gymnasium, yoga centre, etc. **90%** of class rooms are equipped with LCD projectors, overhead projectors, sound system. Efforts are being made to make all the class rooms ICT enabled. Wi Fi and LAN facilities are available almost all through the campus. Sufficient funds are allocated in the budget every year for infrastructure augmentation.

Institute has a good library facility around **32456** books, **17828** reputed e-journals (IEEE, J-Gate, Delnet), **3** print journals and **2,19,500** e-books. NPTEL content for the usage of students and staff.

Library automation: All the data relating to the Library is computerized with bar coding. There are enough computers for public access and an Internet bandwidth of 100 Mbps exclusively for library.

Institutional Repository:It consists of e-books and previous examination question papers.

The Institution is fully Wi-fi enabled with **300** Mbps connectivity. Computer systems are made available as per the requirement in all the establishments including digital library with latest versions of operating systems and firewalls, etc. Sufficient funds are provided in the budget for meeting technical up gradation and research facilities.

Well established practices/systems are in vogue for maintaining and utilizing physical, academic and support facilities, laboratory, library, sports complex, computers, class rooms, etc. Budgeted provisions are made for the purpose exclusively.

Student Support and Progression

As per our state policy, the government of Telangana will reimburse the prescribed fees, through its respective welfare departments, to all the eligible students of BC,SC,ST, Muslim minority, Economically Poor Persons. About **67.09%** of our students are benefitted every year. Apart from this, our institute is also supporting the economically poor students, which is about **9.93%**. To support the students academically, we will conduct special classes for the slow learners apart from certain capability enhancement courses to have edge in competitions for gaining employment. The College has a CRT and Placement Cell to look after the arrangements for their placement. We are successful to get **75.06%** of our students are placed. Encouragement and guidance is provided for appearing competitive examinations to get employment and higher studies in India and abroad.

Every year, competitions in games, sports and cultural activities are conducted at intra-college and inter-collegiate level to bring out the hidden talent of the students. Ragging and sexual harassment cases are recorded nil for the steps taken by the administration. Grievance cell attends the cases expeditiously and with due apathy. Alumni associations are active and their meetings are held every year which are motivating and helpful to the present students.

Governance, Leadership and Management

The Vaagdevi Engineering College(VEC) is governed by well defined Quality policies. The Board of Governors,Management, the Director, the Principal and the staff/faculty are always stepping in together for designing and proper applications of the quality policy and plans to achieve the goals according to the vision & mission. The administrative manual has clearly stated the roles of top management, Director/Principal and faculty of the college keeping in view the goals set.Clubs, committees and associations are constituted for the academic and holistic growth of the students. They implement the resolutions taken in their meetings and also by the governing body for better functioning of the institute. All stakeholders involve in professional development programs like conferences, FDPs, student development activities. Trainings in specialised areas are provided with required financial assistance to faculty to teach more effectively on emerging trends and technologies. Through performance appraisal system, the administration pursues continuous professional advancement of the faculty.

Institute has provided with financial support to **426** faculty members in various departments to attend the workshops, conferences, towards membership fee, etc in the last five years.Altogether **151** faculty development and administrative programmes organized in the institution for teaching and non-teaching staff during the last five years.A total of **658** No. of teaching faculty have attended professional development programmes, orientation programmes, faculty development programmes, etc in various institutions across the State.

QIC is established in the year of 2016, and it has conducted **22** orientation programs on quality and organized **81** Faculty development programs during last 5 years. **IQAC** is established in the year 2022, and it has conducted (2) quality initiative programmes since its inception.

Institutional Values and Best Practices

1. During the last five years, the institution has organized **33** gender equity promotional programs. Besides this, it also provides facilities such as safety and security, counseling and common rooms.

2. The institute has generated Electrical energy of about **60727 KWH** per annum through solar energy with an overall installed capacity of **100KW**. In addition to it, The lighting requirements are changed from conventional sources (100%) to LED lighting (**91%**) as a part of energy saving initiative.
3. The institution has planned and implementing rain water harvesting for the last 10 years and with environment consciousness.
4. Green practices are continuously encouraged in the campus. The Students and faculty are exhorted to use common transportation means and to avoid usage of plastics.
5. Physical facilities such as lifts, ramps, Braille software, rest rooms, wheel chairs, etc. are available.
6. About **30** programmes are conducted to expose the students to social problems, legal applications, social importance are initiated for the last 5 years, and **30** programmes are contributed to local community are conducted during the last 5-years.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VAAGDEVI ENGINEERING COLLEGE
Address	Khammam Road, Bollikunta, Khila Warangal (Mandal), Warangal-506 005
City	WARANGAL
State	Telangana
Pin	506005
Website	www.vecw.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	P Prasad Rao	0870-2865182	7799206969	0870-2865185	principal.vec@gmail.com
IQAC / CIQA coordinator	R Naveen Kumar	0870-2865183	8008496707	0870-2865185	iqac@vecw.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority 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
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

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

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	01-07-2021	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	Khammam Road, Bollikunta, Khila Warangal (Mandal), Warangal-506 005	Urban	10	18473.5

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	Intermediate or Diploma	English	240	240
UG	BTech,Electronics And Communication Engineering	48	Intermediate or Diploma	English	120	120
UG	BTech,Cse Artificial Intelligence And Machine Learning	48	Intermediate or Diploma	English	120	120
UG	BTech,Cse Data Science	48	Intermediate or Diploma	English	120	120
PG	Mtech,Computer Science And Engineering	24	B.Tech or B.E.	English	30	0
PG	Mtech,Electronics And Communication Engineering	24	B.Tech or B.E.	English	30	8
PG	MBA,Master Of Business Administration	24	Any Graduate Degree	English	180	129

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	12				5				160			
Recruited	10	2	0	12	3	2	0	5	0	0	0	0
Yet to Recruit	0				0				160			
Sanctioned by the Management/Society or Other Authorized Bodies	12				5				160			
Recruited	10	2	0	12	3	2	0	5	160	0	0	160
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				23
Recruited	18	5	0	23
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				23
Recruited	18	5	0	23
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				5
Recruited	3	2	0	5
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				5
Recruited	3	2	0	5
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	12	0	0	0	0	0	0	0	0	12
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	3	2	0	83	77	0	165

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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		Total
	0	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	1325	0	0	0	1325
	Female	886	0	0	0	886
	Others	0	0	0	0	0
PG	Male	92	0	0	0	92
	Female	90	0	0	0	90
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	31	6	13	13
	Female	13	9	8	14
	Others	0	0	0	0
ST	Male	15	2	3	9
	Female	4	5	3	4
	Others	0	0	0	0
OBC	Male	212	146	185	202
	Female	133	111	147	160
	Others	0	0	0	0
General	Male	28	45	52	52
	Female	40	52	65	72
	Others	0	0	0	0
Others	Male	11	12	13	0
	Female	6	5	8	0
	Others	0	0	0	0
Total		493	393	497	526

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Being an affiliated college, our course structure and the content for pedagogical transaction is designed by the parent university as per the AICTE/UGC guidelines. Our top leadership is carving out the way for the fruitful implementation of multidisciplinary and interdisciplinary education which will definitely enable our students to develop the skills required in 21th century. While we will get more clarity in coming months on how the multidisciplinary and interdisciplinary approach to education being proposed in the policy shape up, we welcome the change and ready to implement in our college.
2. Academic bank of credits (ABC):	Recently Honorable Chairman, AICTE convened a

	<p>meeting with all the VC's of various universities to carve out, the roadmap for the implementation of NEP-2020. while we get more clarity in the coming months on how the academic bank of credits being proposed in the policy shape up, we welcome the change in the mindset of policy makers, which should help to create a framework for the country to take advantage of its demographical dividend. the vice chancellors have issued communiques to all the principals of affiliating colleges for the smooth implementation of NEP-2020. Hopefully, we are expecting that this historic policy on education will yield positive results and too have pulled our socks to ensure its effective implementation.</p>
<p>3. Skill development:</p>	<p>keeping in view the growing demand of Skilled work force in both public and private sector, Higher education institutions are framing their curriculum accordingly. from past few years, educationists have introduced many skill oriented courses in the curriculum. Need of the hour is to produce young generation obtaining degrees in their choice of subjects and additional skill course that will help them to start their own entrepreneurship after leaving the college. in this way a graduate from the college will become a job provider than a job seeker. our college adopted the same vision and followed the curriculum of parent university in later and spirit. Apart from usual skill curriculum from parent university, our college signed MOU with one of the training partner of VIBA, namely iGyan pvt. Ltd. Said training partner is providing training to our students in Technical Skills and Website Designing, Social Media content writing.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>currently the college ensures appropriate integration of Indian knowledge system by offering MIL(Modern Indian Languages) and core courses as per CBCS scheme set up by parent university. Subjects like Constitution of India, Gender Sensitization, Professional Ethics, Environmental Science are also offered in order to inculcate sense of national integration, love for art, culture and civic sense among the student community. whereas the subject sociology taken by our students reflects the socio-culture setup of Indian society. Teaching these courses through online mode during COVID pandemic was offered smoothly by the college. infrastructure is available in the college to offer these</p>

<p>5. Focus on Outcome based education (OBE):</p>	<p>courses through online mode when need arises.</p> <p>Our college offers 5 programmes with 7 number of courses. programmes include B.Tech CSE, CSE(AI & ML), CSE(DS),ECE, M.Tech ECE ,CSE, MBA. After completion of their choice of programme, a student is expected to have: 1. Social, Historical, Economical, ideological and philosophical tradition and thinking. 2. The programmes also empowers the graduates to appear in various competitive examinations or go for higher studies of their choice. 3. Ignited minds, enough to think and act over solution of various issues prevailing in the human life to make this world a better place to live. 4. To develop scientific temper and approach among science students. 5. Qualities of science observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making. 6. Trains the learners to extract information, formulate and solve problems in a systematic and logical manner. 7. MBA graduates should be able to obtain basic knowledge and skills for doing business and viable activities of their choice. 8. All the programmes also empowers the graduates to appear for various competitive exams or choose a profession of their choice. 9. MBA Graduates also acquires knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and related business laws.</p>
<p>6. Distance education/online education:</p>	<p>Some renowned institutions like IBM, Microsoft, Infosys, TASK, etc., in our country are offering quality education through distance mode in UG/PG courses. Our college has offered full support in their endeavor to provide education at the doorsteps of people living in far flung areas like ours. Our college is having 14 Functional MOUs. our college is conducting contact classes and is providing information of enrolled students to their respective centers. During COVID pandemic our college switched over to virtual mode of teaching through various applications viz ZOOM, Google Classroom, WhatsApp etc. Once the NEP is implemented in TELANGANA STATE, we will ensure smooth transaction of distance and online education as recommended by the policy framers of NEP-2020.</p>

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
294	295	285	255	293
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
07	06	06	04	06

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2071	1903	2061	2385	2496
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
425	297	380	402	473

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
261	389	308	495	373

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
177	158	159	213	254

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
177	158	159	213	254

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 51

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
5831.29169	872.968954	529.74172	913.0233174	901.04721

4.3

Number of Computers

Response: 830

NAAC

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:

Vaagdevi Engineering College(VEC) is affiliated to **Jawaharlal Nehru Technological University, HYDERABAD** and approved by AICTE, New Delhi. The college offers Graduation Degree course as B.Tech and Post Graduation Degree courses such as M.Tech, & M.B.A. The curriculum designing, reviewing and revises are done by the university as needed. The organizing committee will prepare the academic calendar every year before the start of the academic year.

The salient features of the curriculum are as follows:

1. Basic Science Courses
2. Engineering Science Courses
3. Professional Core Courses
4. Elective Courses - Professional and Open
5. Mandatory Courses
6. Project, Seminar and Internship.

The curriculum designing framework and credits are assigned for the curricular components based on AICTE, JNTUH institutions. Choice Based Credit System (CBCS) regulations and standards of Credit Distribution of higher level institution from INDIA.

There will be an official meeting conducted by the Principal before the commencement of academic year. As the process of information given, a formal notice will be issued to all the students about the commencement of academic sessions. There will be an experienced class teacher assigned for each class. The preparation of teaching plan for every respective subject will be prepared by the respective subject teacher and will be verified and approved by the HOD. The concept of flexibility will be maintained in the teaching plan for any future changes or updates.

The college will follow the most interactive ways with latest innovative techniques for teaching learning process, where we can have practice of Seminars, Group discussions, Assignments, Team Building Activities, Class Tests, etc. are implemented. The student and teacher have a facility to use e-books, computer labs with latest technologies. The classroom teaching is complemented with co-curricular, extra-curricular and extension activities for development of student's personality. The HOD's and Principal monitor the syllabus coverage periodically. Attendance of students is monitored periodically and displayed

on the notice board.

As per the university norms and rules the examinations are conducted. The scheduled time tables or information are displayed well in advance in the examinations main notice board, department notice board. The exams are conducted in a strict way to avoid any malpractice. As per the university norms and guidelines the college will do an internal evaluation. The result analysis, examination records and any other official information are maintained for documentation and reference purposes.

The slow learners are been provided extra lectures, seminar, group discussion, individual interactions regarding their problems, counseling sessions to improve their knowledge. Advance learners are provided additional assistance to increase their knowledge and skills. Along with this experimental learning, participative learning with the help of project work, assignment, seminar, PPT, industrial visits etc. activities are carried out to make teaching-learning process effective.

The Compliance of the curriculum is verified by the Head of the Department and the review is taken as per that. The compliance of the curriculum is communicated to the Principal through the Head of the Department and at the end of term or year the performance of the students is verified by examination and their feedback. Action taken report is prepared by concerned committees and reviewed in college meetings for timely action taken and for further development of the college.

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:

Vaagdevi Engineering College(VEC) is affiliated to **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD**. The university declares the Academic Calendar in the beginning of every session. After the starting of session, the college has to follow the Academic calendar.

The main objective of the academic calendar is to keep students, faculty, and staff reminded of key dates throughout the academic semester and year. It can also be useful for prospective students and faculty

1. Dates & Days of course material submission
 2. Departmental staff meeting
 3. Tentative dates for university practical and theoretical exams.
- The approved academic calendar will be displayed in the department notice, main notice board and in the university website. If any changes/updates in the academic calendar the same will be communicated to the students. All the faculties & students should strictly follow the academic calendar. The Institution adhere to the academic calendar published by the University for Respective Courses.
 - The coverage of syllabus as per the planned curriculum will be monitored by the HOD. There is a standard format which allows the teachers and the students to space out their teaching and learning

assessments for this purpose.

- In the process of covering the syllabus if any obstacles appeared. The same will be reviewed by DRC in its meetings to take up necessary measures and suggestions. Some of the examples of obstacles are (unforeseen causes, personal reasons of the concerned teacher, understanding level of the students of a certain class etc.)

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

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

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

Response: C. Any 2 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

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: 07

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

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

Response: 66

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
13	14	15	12	12

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	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: 68.44

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

2020-21	2019-20	2018-19	2017-18	2016-17
1624	1105	1568	1559	1604

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

Institute has provision of various committee activities which contribute to sensitizing students towards cross-cutting issues like Gender, Environmental Sustainability, Human Values and Professional Ethics.

1. Gender:

Equal opportunities are given to both the genders in terms of admissions, employment, training Programmes, sports activities etc., and so gender issues do not arise.

Gender-related issues are addressed directly or indirectly in courses like Gender sensitization and Environmental Studies. Modules on Gender bias, sexual and reproductive rights, the rights to equality and non-discrimination, women entrepreneurship are discussed in these courses.

College supports women faculty and students to participate in events like WOW (Women of Worth) conducted on Women's day for focusing on women empowerment and promoting leadership qualities in women.

Girls and boys participate in various academic, co-curricular and extracurricular activities such as sports, paper presentations, group discussions and technical quiz programmes.

2.Environment and Sustainability:

Students have a compulsory course on Environmental Science.

The objective of these courses is to create environmental awareness among students by emphasizing on the concerns like renewable & non-renewable energy sources, ecosystems, bio-diversity and its conservation. The environmental aspects like global warming, waste disposal and pollution are also covered through case studies. The institute is also proactive in sensitizing students towards environmental issues through Guest Lectures/Industrial Visits and E -Waste collection.

All these efforts help to progress towards being a green campus and pollution free atmosphere. Roof-top solar panels, Plastic-free green campus, Tree plantation and various environment-related activities inculcate the importance of the environment to the student community.

3.Human Values and Professional Ethics:

Apart from professional progression, students need to be trained to become responsible for the society in which they live. Gender equality, Conservation of environment and sustainability, Human Values and Professional Ethics are courses that help prepare students for a life of social responsibility. JNTUH has duly introduced these courses into its curriculum and the institute is promoting their effective delivery.

Value education, importance of ethical and responsible behavior, understanding of Ethics and social responsibility are some issues of concern. This course focuses on human values and discusses engineering ethics, explains safety and risk factors, responsibilities and rights of engineers and addresses global issues, computer, and environmental ethics.

The curriculum is being implemented with the help of teachers who are trained at workshops held at the University level. Student activities like NSS are also included in the curriculum as mandatory courses.

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: 71.38

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
211	199	202	189	213

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: 79.91

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

Response: 1655

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

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

Response: A. All of the above

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

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

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

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

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 75.17

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

2020-21	2019-20	2018-19	2017-18	2016-17
557	549	602	612	716

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
840	840	828	720	828

File Description

Document

Institutional data in prescribed format

[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: 100

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
425	297	380	402	473

File Description

Document

Average percentage of seats filled against seats reserved

[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 Institute has a definite structured mechanism for monitoring the incremental academic growth of different categories of students.

1. Encouraging and supporting Slow learners

The faculty mentors constantly monitor the individual needs of the student concerned. This mechanism has certainly helped in improving their overall performance. This is reflected in their classroom performance as well as in the semester examination results. Individual care and counselling is also provided to the concerned student/s.

- A pre-test is conducted, for both soft skills and technical skills, and based on the grades obtained, the students are formed in to groups.
- Peer groups are formed to encourage slow learners to achieve better results.
- Each class of students are divided in the ratio of 1:3, where each peer group consists of 3 members, one above average, one average and one below average student. They are attached with their respective subject teacher and they communicate through Whatsapp and Telegram groups.
- The slow learners are given more practice sessions and exercises to work on in the class as well as at home.
- The slow learners are also mentored by the mentors on a periodic basis to improve their academic performance.

2. Encouraging Advanced Learners

- Advanced Tutorial classes: When remedial classes are conducted for slow learners, tutorials are conducted for advanced learners.
- Paper presentation: Advanced learners are encouraged to participate in inter-college paper presentation contests.
- Internship: Students are offered internships through campus recruitment. In addition, the advanced learners, from III to V semesters, are encouraged to take up internships in their semester break. These internships enable them to gain knowledge in latest technologies.
- Hackathons: The Institution encourages students to participate in Hackathons / Design contests that are conducted for a duration of 24-36 hours and are aimed at solving real world design problems.
- Enrollment in MOOCS/CISCO/NPTEL certification programs.
- Usage of Digital Library and Journals are encouraged.

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: 12:1

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 Institute firmly believes that development of the students is ensured only through the pillars like Knowledge, Skills, Moral Values and Attitude. The educational pedagogy of the college includes values, integrates ICT, develops global competencies and promotes professional development with a quest for excellence. A physical and intellectual infrastructure has been established to facilitate a student centric learning termed as "learner centric" process.

The students are given option for choosing Open and Professional Electives in the respective semesters. Based on the response, the subjects are allocated to faculty.

Most of our Teachers today apply the Student-Centric Approach which is an integral part of the pedagogy. Apart from the Chalk-Board Interactive Learning, Design Thinking, Project Based Learning, Online Lectures, Experiential learning, participative learning and problem-solving methodologies are used.

Interactive Learning: The faculty use Chalk-Board, Audio and Visual aids so as to encourage students to interact during the class and get their doubts clarified.

Design Thinking: This technique is based on resolving real-life cases through group discussions, Brainstorming, innovative and creative ideas. The students are encouraged for field visits to enhance their analytical skills, design thinking and creativity. The students are assigned 3 hours per week for field visits in and around the campus.

Project Based Learning: Every subject teacher assigns a project to the students and guide them in the implementation of the project, which enables a student think critically to solve real world problems.

Online Lectures: Students are exposed to various cutting-edge technologies and online lectures are

conducted regularly by subject experts from various reputed institutes and universities like NITs, IITs, IIITs and other countries too.

Experiential learning: Technical education is always justified with practical knowledge. Thus, from the first year itself, students are exposed to all the laboratories such as physics, chemistry and English. Later from their second year, students attend core department labs which give different levels of exposure. The institute has over 800 computers, with 15 printers, licensed application software which are used effectively for teaching.

Mini projects: To enhance the practical knowledge & innovative approach, students are encouraged to carry out Mini projects from III year. Personal attention will be paid on each team member.

Discussions: Discussions in many of the subjects make the students to think wide and enable them to express their opinions and assess their current knowledge. Discussions are held to test their proficiency in soft skills, managerial communications, and business adoptions.

Debates: Debates are conducted in many of the subjects in which students are required to come prepared with different opinions & thought processes. Thus, the learning process gets justified in the argument mode of learning.

Case studies: Theoretical knowledge and extensive practical knowledge through case studies is obtained by the students in subjects such as C Programming, Python Programming, MatLab, IoT Lab, Professional Ethics & Moral Values, and Management sciences.

The Institution provides sufficient teaching aids (LCD projectors, Video conference room, and NPTEL access) for effective curriculum delivery.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

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

Response:

The faculty use online education resources, blended learning platforms like google classroom, MS-Teams to effectively deliver teaching and provide enhanced learning experience to the students.

Teachers prepare modules and power point presentations, which can be recorded and made available for students online for future correspondence. The use of ICT by teachers in classrooms apart from enabling students to keep pace with the contemporary digital and virtual world helps in creating a student centric learning approach. Internet and Wifi facility is made available to all faculty and students free of cost.

E- mails, WhatsApp group, Zoom, MS-Teams, Edusys and Google classrooms are used as platforms to communicate, provide material and syllabus, make announcements, conduct tests, upload assignments, make presentations, address queries, mentoring and to share necessary information.

Every faculty can upload students' attendance, internal assessment marks, Question bank and notes with respect to each and every subject.

ICT Tools like Projectors, Smart Boards, Desktop and Laptops are arranged at Computer Labs and Faculty cabins, where ever required all over the campus.

Printers and scanners are installed at Labs, HOD Cabins. Auditorium is digitally equipped with mike, projector, cameras and computer system.

MOOC Platforms like NPTEL, Coursera, Udemy, Digital Library resources like DEL NET are also made available.

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: 12:1	
2.3.3.1 Number of mentors	
Response: 177	
File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 100	
File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	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: 7.36				
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
15	16	15	12	8

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: 3.81	
2.4.3.1 Total experience of full-time teachers	
Response: 675	
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

<p>2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode</p> <p>Response:</p> <p>Mid-Term Examinations for Theory:</p> <p>As our Institute is affiliated to Jawaharlal Nehru Technological University, we follow the guidelines of the university. The performance of a student in each subject is evaluated through CIE (Continuous Internal Evaluation) for 25 marks. During every semester, two mid-term examinations are conducted, where each mid-term examination consists of descriptive paper of 10 marks and objective paper of 10 marks along with an assignment of 5 marks. Total duration for the mid-term exam is of 1 hour 20 minutes out of which 60 minutes is for descriptive paper and 20 minutes for objective.</p> <p>The descriptive paper shall contain 4 full questions out of which, the student has to answer 2 questions, each carrying 5 marks. Each mid-term examination is conducted on 50% of the total syllabus. The objective paper is set with 10 multiple choice questions and 10 fill-in the blanks. The average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. In case of genuine absenteeism of a student, the university gives an opportunity for a Computer Based Test (CBT) of 25 marks. The student has to appear for the end semester exam conducted by the university for 75 marks.</p>
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For practical subjects, a continuous internal evaluation scheme is followed during the entire semester for 25 marks. Out of 25 marks, a continuous day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the respective faculty member.

For Final year students, there shall be a technical seminar presentation in IV year I semester. The student are encouraged to select a trending topic on the cutting-edge technologies. A faculty member is assigned as a supervisor to guide them in collecting the information, preparing the technical report and submitting it to the **Department Review Committee (DRC)**. The committee consists of Head of the Department, Senior faculty, Seminar Co-ordinator, who evaluates the seminar report for 100 internal marks.

Project work is carried out during IV Year II Semester. The project will be evaluated for 100 marks. The student has to select any problem for which he/she can come out with a solution and submit the project work report at the end of the semester. The project is done as a team of 4 members to encourage team work. As part of evaluation, the external examiner from the affiliated university shall evaluate the project work for 75 marks and the internal project supervisor shall evaluate it for 25 marks, based on the presentation of the work. The student has to secure at least 40% marks and should submit project report to pass the examination. These marks should be uploaded along with internal marks of other subjects in final year.

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:

As our Institute is affiliated to Jawaharlal Nehru Technological University Hyderabad, all the Internal and External university examinations are conducted under the guidelines of the Controller of Examinations of the University.

Students are briefed by the Principal/HOD/Faculty about internal assessment, question paper patterns and university examinations in Orientation Programme and during starting of every semester. The university norms relating to course-wise examination pattern are communicated to the students. In this regard, any modifications issued by the university are circulated to the faculty members and administrative staff from time to time and are also displayed on the notice boards for students.

Mechanism to deal with examination related grievances:

a) At University Level:

Grievances pertaining to application form & Hall ticket, late application form filing, non-receipt of admit

card of examinations or wrong entries in the Hall ticket are communicated to University Examination Section and are resolved at the earliest. College Exam Branch staff help the student for filing the application form.

If there are any grievances regarding question papers of any subject during External Examinations, College instantly reports to University Examination Section. Grievances regarding question paper include questions asked out of syllabus, data given in question is insufficient, typing errors, etc. Committee at University takes cognizance and resolves the grievance.

For any grievances after the results are declared, students have to contact Examination Branch, where an application is sent to university for revaluation and recounting of marks etc. If student is not satisfied by Revaluation/ Recounting, student can request for **Challenge Valuation (CV)** which has to be applied along with relevant Xerox copies of recounting/revaluation result to the University through the college principal. There will be no Challenge Valuation for Lab Marks.

b) College Level:

Students appear for the improvement examination if he/she scores less marks and wants to improve in the concerned subject. The grievances of the students with reference to assessment are made clear by showing his/her performance in the answer sheet. In case of grievance, the answer sheet of such student is assessed by the faculty once again in the presence of the student. If there are any corrections in the total of marks or assessment of answer books as identified by students, they are immediately rectified by the faculty members. If any student is not satisfied with the assessment and award of marks may approach the concerned HoD who can intervene and seek opinion of another course Teacher. The Institute follows open evaluation system where the student performance is displayed on the notice board and the same is informed to the parents. If a student is not able to appear for examination due to medical or any genuine reason, examination is conducted for that particular student as per norms.

c) Evaluation system: Result Analysis System

At our institution, we implement **Internal Result Analysis System** which generates the Result of every student, when the Hall ticket number of the student is submitted in the system. This enables the examination branch and students in getting their results promptly. software is a web-based application, developed by the Department of Computer Science and Engineering. The student will be able to get the record of his/her marks from his/her first year to fourth year.

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:**1. Adequacy in respect of publication & dissemination:**

Media	Means	Stakeholders reached
Website	College website: http://www.vecw.edu.in	Management, Parents, Industry, Alumni, Students and Staff.
Print	College Brochure. Department Newsletter.	Management, Parents, Industry, Alumni, Students and Staff.
Display	HOD cabin Notice Boards. Laboratories. Seminar hall.	Management, Parents, Industry, Alumni, Students and Staff

Table: Dissemination of POs and PSOs**1. Process of Dissemination among stake holders:**

Management: Dissemination of Pos and PSOs in College Advisory Committee.

Staff: Staff orientation programs are conducted in which department's POs and PSOs are explained to newly joined staff members.

Students: Orientation programs and awareness workshops are conducted for the students to make them aware of the department's POs and PSOs.

Alumni: Information is given to alumni members during alumni meetings organized every year by the college.

Parents: Parents are explained about department's POs and PSOs during induction programs organized at the time of joining their children in the college. POs and PSOs are also explained to them during parent-teacher meetings.

Industry/Employer: Whenever personnel from Industries visit our campus for recruitment of the students, they are asked to go through the department Newsletters and Magazines.

3. Publication of Program Outcomes(POs) and Program Specific Outcomes (PSOs):

- They are displayed in the form of display boards in the Notice Boards, HoD Cabins, Staff Rooms Laboratories, and Corridors.
- They are published in the department newsletters, magazines and also in college website which can be seen by all stakeholders.
- They are printed in the laboratory manuals which are made available to all the students.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document

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

Response:

In **Outcome Based Education(OBE)**, assessment is done through one or more than one processes, carried out by the institution that identify, collect and prepare data to evaluate the achievement of program outcomes, Program Specific Outcomes and course outcomes.

PO Assessment Tools:

Assessment tools are categorized into direct and indirect methods to assess the Program Outcomes, Program Specific Outcomes and Course Outcomes.

(A). Direct Methods: Display the students' knowledge and skills from their performance in the MID Examinations, Lab Examinations, End-Semester Examinations, Presentations and classroom assignments etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of students learning.

Direct Assessment of POs for a course is obtained by mapping the average value of Course Outcomes attainment with the mapping of the target or expected POs for the particular course.

(B).Indirect Methods:Preparations are gathered to know how well students are achieving/ achieved a learning outcome. The Program Assessment Committee assesses opinions, thoughts about the graduate knowledge and skills. As it isa complex process, the percentage of attainment is kept at low percentage. The indirect component of PO contribution is obtained from different survey

- Graduate Exit Survey
- Alumni Survey

- Employer Survey

Graduate Exit Survey: The Graduate Exit Survey is conducted at the end of the Program. The Objective of the Survey is to know the level of confidence of each PO/PSO that graduates possess by the end of the program.

Alumni Survey: A Survey is conducted on Pos, PEOs and PSOs. It contributes towards the weightage of POs and PSOs attainment. This survey is administered by alumni coordinator with the passed out students.

Employer Survey: A feedback is collected on Pos, PEOs and PSOs. It is an indirect assessment tool which contributes towards the weightage of Pos, PEOs and PSOs. Employee surveys are tools used by organizational leadership to gain feedback on and measure employee engagement, employee moral values and performance.

The weightages in indirect assessment process are tabulated as given below.

Name Of the Survey	Weightage
Graduate Exit Survey	10%
Alumni Survey	5%
Employer Survey	5%

Table: Weightage of Surveys

PO Attainment:

Direct attainment level of a Pos & PSOs is determined by taking average across all courses addressing that POs and/or PSOs.

Indirect attainment level of POs & PSOs is determined based on the student exit surveys, employer surveys, co-curricular activities, extracurricular activities etc.

For affiliated, non-autonomous colleges, it is assumed that while deciding on overall attainment level 80% weightage may be given to direct assessment and 20% weightage to indirect assessment through surveys from students(largely), employers (to some extent).

Analyzing of Results:

Levels of attainment are decided upon the percentage of students of the class who have more than average mark allotted for the course outcome in the final Examination.

The attainment level is assigned as follows.

CO Attainment	Level

$x \geq 60\%$	3
$50\% \leq x < 60\%$	2
$40\% \leq x < 50\%$	1
$x \leq 40\%$	0

Table : Attainment Levels

File Description	Document
Upload any additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 63.76

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
261	389	308	495	373

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
517	536	470	808	541

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

NAAC

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: 20

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
20	0	0	0	0

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: 1.13

3.1.2.1 Number of teachers recognized as research guides

Response: 2

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: 4.55

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
01	00	00	00	00

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
06	04	04	04	04

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Paste link to funding agency website	View Document

3.2 Innovation Ecosystem

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

Response:

Incubation centre:

The institution has created an ecosystem for innovation including Incubation Centre and academic and research expertise of the college to continually contribute to the innovation academic ecosystem. The Institute has a Research Committee comprising of the following members Chairman, Co-ordinator and members as Hods and senior faculty.

Functions of the “College Research Committee (CRC)” are:

To make the institute as a Research Centre of affiliating University/Other Organizations. To provide seed money to investigate research problem and to prepare document to submit to AICTE, DST, UGC etc., for financial assistance. To suggest recommendations with their impact. To provide adequate infrastructure and support in terms of technology and information needs. To create awareness among the students and faculty on the culture of research and aptitude. To conduct / participate in workshops, training programme and sensitization programme on capacity building in terms of research and consultancy and imbibing research culture among staff and students. Arranging guest lecturers under Institute-Industry-Interaction programme to promote research on industry needs. Modernizing the existing laboratories with additional experimental set ups / instruments and technology for utilizing the labs for research activity, To provide facility to the faculty in the form of incentives, sabbatical leaves, academic leaves for improving their

qualification and quality of research. To provide budget for in-house R & D projects mentioning the guidelines and targets to achieve the expected outcome of the projects proposed.

File Description	Document
Upload any 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: 37

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
6	7	8	8	8

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	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: 0

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

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

Response: 02

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
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 0.56**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
13	10	23	29	32

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:** 0.12**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
15	2	2	2	2

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:**

To fulfill social responsibility, the institution extends research culture through the college neighborhood network. Environmental and sustainability issues are addressed in the curriculum through courses such as Environmental Studies.

Students are encouraged to work on innovative projects that address social issues while also meeting basic needs through academic projects.

As an aspect of the extension activities that affirm community outreach, the NSS. Unit offers free medical assistance and food to individuals affected by natural disasters such as floods and heavy storms. The NSS unit has participated in a variety of activities which in turn benefit the society and the people. We have a National Service Unit (NSS) with 100 energetic volunteers who are really eager to participate in any Service Activity.

To enhance the importance of digitization and voters, Vaagdevi Engineering College, National Cadet Corps has conducted Digital India, Usage of Swadeshi products and Voters Day Awareness programs and several other awareness programs in and out of Bollikunta village. NCC has always rendered services at Medaram Jatara, a festival celebrated in Telangana for years. First-aid kits and Food distribution in Orphanages, Blind Schools has become a regular activity for Vaagdevi National Service Scheme students. Good number of Blood and Organ donation camps were also held by the NSS wing. The activities are authorized by collaborating with Indian Medical Association, Lions Club, Indian Red Cross Society.

Many of these events were covered in major newspapers and media outlets. The overwhelming response and success of these events demonstrates the members' hard work and sincerity of intent.

Students take part in a variety of socially conscious activities such as tree planting, yoga, a water conservation rally, and a seminar on gender issues.

Women's Day, Teachers' Day, and Engineers' Day are observed in order to promote universal and human values, national integration, and communal cohesiveness among students.

File Description	Document
Upload any 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: 17

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
7	2	7	1	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: 82

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
12	25	20	16	9

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

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

Response: 41.97

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
503	1353	1017	931	651

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

<p>3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year</p> <p>Response: 26</p>														
<p>3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>					2020-21	2019-20	2018-19	2017-18	2016-17	14	3	3	3	3
2020-21	2019-20	2018-19	2017-18	2016-17										
14	3	3	3	3										
<p>File Description</p>		<p>Document</p>												
e-copies of related Document		View Document												
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship		View Document												

<p>3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years</p> <p>Response: 25</p>														
<p>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</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>7</td> <td>5</td> <td>3</td> <td>2</td> </tr> </tbody> </table>					2020-21	2019-20	2018-19	2017-18	2016-17	8	7	5	3	2
2020-21	2019-20	2018-19	2017-18	2016-17										
8	7	5	3	2										

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

NAAC

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:

Focused Infrastructure:

The vision of the management is to constantly improve the learning ability of the students by providing the necessary infrastructure. The Institute offers a good academic and technical infrastructure. In addition to this, co-curricular facilities are also provided to ensure the all-round development of the students. And this makes learning a wonderful experience to the students.

The focus of the teaching-learning process at the Institute is student-centric to promote interest in analytical research, critical thinking and satisfaction among students to enhance our role in shaping education, and to improve the quality of the education overall.

The Institute contains large, spacious, and well-maintained **classrooms** to accommodate sufficient number of students to be seated comfortably. And for the teachers to move around the rooms freely. The classrooms can easily accommodate ninety plus students. Even more importantly, to strive towards growth and success, the Institute has improved the teaching-learning process with immediate aids by successfully creating **46 Technology-Enabled Classrooms**. In addition to this, cleanliness checks are done very frequently, keeping the classrooms clean.

The college has well-decked and automated **library** with volumes of 32,456 books on different disciplines to provide competent learning resources to the students. This has a seating capacity of over 150 students at a time. Also, Digital Library used by students and faculty to access the required content.

The college has **laboratories** for all the UG and PG programmes. These modern laboratories are established to conduct regular practical classes, where students are walked through various practical works that strengthens their knowledge. The laboratories are well-equipped with latest equipment.

Discontinued power support:

Besides this, a standby **power generator** 125 KVA, 125KVA & 320KVA of 3 generators is available in the campus to take care of the occasional power shut down due to maintenance.

As the Students work on a host of projects in different courses, and face challenges, they are provided with round the clock support and assistance of the management, and the faculty to do Internship and project-based courses to learn from the real-life situations and to apply the knowledge they gain through this. Furthermore, Continuous process of learning is followed and efforts are made to measure their level of understanding through various tests.

The campus has **ramps** at each block **to facilitate the physically challenged** persons to move by the wheelchair, without any difficulty. Special provision is being provided for these students by the institute to

write the university exam in the close proximity of the Exam Cell.

Timely Transport:

Also, 15 buses are being operated for both staff and students, which cover most of the areas in and around Warangal to reach college on time.

Apart from these, **various clubs** offer a mixture of technical and non-technical activities which are aimed to develop the organizational skills of the students and allow them to polish their various skills.

Additionally, Department Libraries, Drawing Halls, HOD and Faculty Cabins, and rest rooms have been provided by the institution to create a pleasant working environment for the faculty.

File Description	Document
Upload any additional information	View Document

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

Response:

Vaagdevi Engineering College(VEC) has state of the art and well-maintained sports facilities for conducting sports, games and to increase the love of sports and cater to the needs of sports enthusiasts. The Institute offers full-time qualified Physical Director to train and guide students in various sports.

The institute provides facilities for various games including Cricket, Basketball, Volleyball, ThrowBall and Badminton. Cricket ground, besides spacious playfields and Courts for outdoor games ensure the focus of the institute in providing extra-curricular activities to the students. The ground expands to 40,468.6sq.m. We also have facilities for indoor games such as Chess, Carroms, and Table Tennis etc.

Institute celebrates **International Yoga Day** every year on 21st June. Yoga is essentially a spiritual discipline that youngsters need today. Practicing yoga might improve quality of life; reduce stress; lower heart rate and blood pressure; help relieve anxiety, depression, and insomnia; and improve overall physical fitness, strength, and flexibility. Along these lines, Yoga sessions are conducted for students to channelize their focus and expand their energy to train and sharpen the body, mind and spirit in the right direction. These sessions ensure better health and balanced living for the students.

Hence, in our college campus, we have started **Yoga Centre** in the year **2012** to enlighten our students and Faculty. Through yoga centre, we have been organizing many programs every year for the welfare of students.

Furthermore, healthy facilities like gymnasium have been established in the Sports complex, with comfortable atmosphere, encouraging regular exercise and relaxation. This helps the students beat the stressful and intense atmosphere. The gym consists of a variety of equipment which fulfils almost all sporting and fitness needs of the students. The Gymnasium has good infrastructure with well-equipped

machines for physical fitness. The institute has a qualified trainer in the gymnasium for the support of Students.

Just as important as sports, Cultural activities are carried out by cultural club. Every week this club conduct various events. Every year, College has a vibrant celebration called **VAAGTARANG Cultural Fest - Cultural Day**. The main aim of the institution is to encourage the students' multi-talents in various aspects, apart from academics. Cultural Theme is given to the students every year and the students give life to the theme through their excellent performance. During the cultural festival, talents of the students are displayed through on-stage and off-stage events like Solo Dance, Group Dance, Solo Singing, Group Singing, Mime, Essay Writing, Vegetable Carving, Rangoli etc.

Through healthy competition, incredible performance of the students from various disciplines is recognized on this special occasion. Renowned Celebrities honour the day and distribute the prizes to the winners of the various events (both on-stage and off-stage). In addition to this, the college also organizes Light Music by famous music troupe to entertain the students.

File Description	Document
Upload any 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: 90.2

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 46

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document

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

Response: 21.1

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
21.57492	64.79948	150.86181	346.32160	281.89850

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:

We have introduced the EduSys software developed locally, customized to meet the needs of the library for this academic year.

We have also used CAMS library from the year 2016-17, which has been successfully utilized by the clientele.. The software has been developed using the ASP.NET. Later during the year 2017-2018, we have extended the automated services to the Circulation Section successfully, and developed OPAC for the users. We have also used SKOLO, to meet the requirements of the library. As far as automation is concerned, we could do it partially, and efforts are on to fully automate the library. Up until the year 2015-2016, the library was maintained manually.

We are proud to say that we have also established a Digital Library in the year 2018 with adequate Systems in a separate Hall to provide access to Internet E-Resources.

Furthermore, Library ensures relevant books are made available as per the changes in the curriculum. Library is also available beyond the working hours of the college for the benefit of students.

File Description	Document
Upload any 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: 10.02

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
7.1892	7.92152	8.07169	12.48964	14.43141

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

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

Response: 24.91

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

Response: 560

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Vaagdevi Engineering College(VEC) provides fully air-conditioned computer labs and the students are privileged to have unlimited access round the clock. The laboratories are equipped **with structured fibre optic and UTP cabling network** and other relevant software and the projectors.

To illustrate the improvement in the quality, our institution had 20% ICT classrooms in the year 2016. And as of now, we have 90% of classrooms turned into the ICT class rooms with round the clock internet facility. Speaking of the internet facility, earlier we used internet speed of 84 Mbps in the year 2016, and this has now gone up to the use of 300 Mbps speed to facilitate the students to access very fast internet very easily. This is led to the equal upgradation of systems, equipment, and resources, and has shown increase in the efficient use of resources available in the college campus. This is open to students at all times during the college hours as well as after college hours up to 7.30 PM in the night.

We are proud to inform that our institute currently has state-of-the-art computer laboratories **830 computers** with specialized software with LAN/Wi-Fi connection. Students can utilize the systems during the lab hours to fulfil their academic needs. The Overall ratio of computers to students is more than the number recommended as per norms.

Wi-Fi connectivity is provided in the administrative and academic areas. All departments, staff rooms and offices are provided with internet facilities for the convenience of students, faculty and office staff.

Furthermore, a separate team with in-house staff takes care of the IT related needs of the campus such as hardware and networking. IT infrastructure facilities are created taking into consideration the requirements of all the stakeholders. Computer labs are available to all the staff and students.

LCD Projector, Printers and Scanners are available for staff to effectively fulfil their academic requirement. Adequate number of class rooms & seminar halls are equipped with LCD projectors and are used to deliver video clips and PPT presentations as on required basis. The management has installed new such LCD projectors whenever the necessity arose.

The Media Centre and E-learning room are also utilized for teaching and learning. NPTEL is an initiation of seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science and we can proudly say that our college has been recognized as a remote centre for IIT Bombay.

Licensed software

The institution uses all licensed software required for the classes, laboratories, research, training, certification are procured and being used in the campus which includes Microsoft Subscription, Matlab, Mentor Graphics, MASM, Keil, Xilinx, Pspice, etc. The versions of the software are continuously upgraded as per the requirements.

File Description	Document
Upload any additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)**Response:** 2:1

File Description	Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution**Response:** A. 750 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:** 10.81**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
88.25727	130.8669	50.20851	220.40333	35.54315

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:**

Our institute focuses not only on having the sufficient infrastructure, but also has established procedures for maintaining them.

Campus maintenance

Regular maintenance of electrical, plumbing, housekeeping, transport and infrastructure in the entire college is supervised by the Administrator & Manager. A team of 15 women supervised by administrative staff regularly ensures the cleanliness and maintenance of the college. The roads, common places, faculty and class rooms, laboratories, research centres are cleaned daily and mopping is done periodically. To improve the physical ambience of the campus, several following initiatives are taken from time to time.

Fire Resisting Kit:

Vaagdevi Engineering(VEC) campus has fire extinguishers in each building and department

Labs and Library

- Library Staff consist of one Librarian, two Asst. Librarians and two Library Assistants. Digital Library with 10 computers is available to students with high speed internet.
- The library is available from 8 AM to 8 PM
- Stock verification of lab equipment and library books is done at the end of every year
- Periodic painting and white washing of building and labs
- Ground-men for maintaining grounds, lawns and upkeep of plants , Tree plantation drives for every semester
- Adequate Housekeeping staff for general cleaning Rest rooms
- Keeping dustbins at every 100 meters
- Computer labs are up dated with advanced software in every department.
- Total number of computers available is 830.
- VEC campus is maintaining three **Power generators of 125 KVA,125KVA & 320KVA capacity.**

Mentoring:

A faculty mentor is allotted for every 15 students and observes their performance regarding all the academic aspects. Faculty mentors counsels the students thrice in a month and will approach their parents.

Very importantly, **our institution abhors Ragging.** Ragging in any form, within or outside the VEC Campus is legally banned as per the Supreme Court verdict. **Anti-ragging** cell monitors the students and prevents ragging on campus.

The institute arranges **industrial tour** every year, to raise the industrial knowledge among students. Industrial visit helps to combine theoretical knowledge with industrial knowledge.

Workshops are conducted on latest topics including technical & non-technical topics with the eminent speakers. Workshops help students acquire practical oriented learning.

Sports and Games (Indoor & Outdoor):

Sports in the institution play a central role in preparing the students to be psychologically and physically

strong to face adversaries with a competitive spirit. Hence, all the courts and the sports ground on the whole are kept clean at all times. As mentioned earlier, dust bins are kept everywhere to avoid any dirt being thrown in the sports area or on the campus.

Transportation:

Transport support facility is available to all and free bus facility is provided to faculty. Free bus facility is provided to poor and merit students for the purpose of appreciation and encouragement. Buses are washed regularly and kept hygienic at all times.

File Description	Document
Upload any additional information	View Document

NAAC

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: 67.09

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
1301	1044	1430	1775	1846

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: 12.12

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
198	191	263	114	585

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships 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: 32.42

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
821	806	649	576	611

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: 75.06

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
277	181	302	220	299

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: 24.52

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

Response: 64

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	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: 37.88

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	14	10	1	2

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
46	28	24	14	12

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

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: 31

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
4	3	12	6	6

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

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

Response:

Student Council:

Institute promotes candidature of students on academic and administrative bodies. An active Student Council comprises members to monitor Cultural, Technical, Sports and Literary events, Anti ragging & Gender sensitization programmes, NSS activities and Alumni meet in college. Council members along with association and committee members take active roles in conducting College Annual day, technical seminars such as Shreshtah, Sports day, traditional day and national festivals.

A Student Council is a representative structure through which students in the college get involved in the affairs of the college for the benefit of the college and all students.

Objectives

To enhance communication between students, management and staff.

To promote an environment conducive to educational and personal development. To promote friendship and respect among pupils.

To support the management and staff in the development of the college.

To represent the views of the students on matters of general concern to them.

The Student Council and the Management:

The college establishes and maintains procedures for the purpose of informing about the activities in the college.

The college encourages students to set up a Student Council and assists it as per requirements.

The college draws up rules for the establishment of a Student Council, selection of members and the dissolution of the council.

The college has a role in arranging meetings of the student council.

The Management gives active support to the student council and assists the Council in drawing up a constitution and in planning and organizing its activities.

The Student Council and the Principal:

The role of the principal is of central importance in the establishment and operation of a Student Council. In assisting the Management in the development of college policy, and in working with teachers and to implement it at day-to-day level, the principal is centrally placed in all aspects of the college's operations. In the initial stages, the Principal, together with the other teachers, will assist in the development of a Student Council in several ways, for example, by discussing with students the role of a Student Council and the role of individual representatives on the council. The principal will assist in guiding the Council's development, so as to allow for a constructive and purposeful Council. More generally, the principal can promote the college culture which recognizes the potentially valuable input that students can make, through a Student Council, into the development of the college.

Key functions of Student Council:

The functions and activities of a Student Council support the aims and objectives of the Council and promote the development of the college and the welfare of its students.

In planning and undertaking activities during the course of the year, the Council

1. Works closely with the management, teachers and students.

Consults students in the college regularly and involves as many students as possible in the activities of the Council.

List of committees information uploaded in additional information tab and website.

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

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

Response: 31

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
21	33	32	35	34

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

5.4 Alumni Engagement

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

Response:

AIM of Alumni Association

The concept of Alumni association had evolved for the needs from both the ends, i.e. academicians and professionals, with the aim to bridge the gap between college life and career life so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends work hand-in-hand to help each other to achieve the goal. Hence, the Institution had formed the Alumni association.

Formation of Body

The Alumni Association of Vaagdevi **Engineering College called as VECAA** was formed in the presence of Dr.P.Prasad Rao, Prinicpal, B.Shiva Kumar & U.Rajitha Asst.Prof, and the Coordinator of the Alumni Committee, A.O, HODs and other faculty members of all departments and many enthusiastic students of the college.

Mission

To re-unite in the *alma-mater* from where students grew and flew off.

To build a bridge between college life and career life, so as to introduce present students to the professional world, in order to make them proactive to face the challenges that may arise in their career path.

To provide job opportunities to fresher bachelors through references to apply their learnings.

To conduct orientation and training programs to the students on various topics.

To create awareness among students about scope of their subject in their professional world.

Plan of Action

To conduct periodic meetings of the committee to be updated with the industry changes

To conduct training on industry practices and professional approaches by professional alumni.

To felicitate the achievers.

Objectives of the Alumni

To provide a forum for the members of the Society for interaction.

To achieve high degree of belongingness with the College and Society.

To foster a feeling of brotherhood, friendship amongst the members.

To enroll the members from time to time and keep them abreast with the activities of the Society and College.

To provide adequate avenues to draw the knowledge of expertise alumni to further extend the vision of College to maintain good reputation in the academic, social and business world.

To foster a communication amongst the alumni and to promote healthy relations through interactive meetings and get-togethers.

To collect, publish and disseminate information that is relevant to all the members of the Society.

To play significant role in the students' placement in reputed organizations.

To encourage a spirit of loyalty, friendship, service and benevolence among members.

Objectives with regard to financial grants and other facilities to the needy students/alumni of the College:

To highlight achievements of the members of the Society as well as the current students of the College.

To initiate, arrange, approve, support the scholarships, free ships, grants and other assistance of any nature whatsoever to meritorious students of the College.

To enhance the membership of the Society on a continuous basis.

Alumni Association Bank Account Details:

Name: VAAGDEVI ENGINEERING COLLEGE ALUMNI ASSOCIATION

Alumni Association: A/C NO: 1724102100000116

Bank Name: Punjab National Bank

Branch: Bollikunta

IFSC: PUNB0172410

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

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

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Governance of the institution is reflective of an effective leadership:

The Academic Head of the institution is the Principal, who is aided by the Heads of the Departments, The Finance Officer, Section Heads, and the Chairpersons of other committees. The College is governed by the Internal Quality Assurance Cell (IQAC), Planning & Development, Academic Section, Examination Branch, Research and Development (R&D), Mentoring, Training and Placement (T&P) Cell, and Other Sections.

Academics, Research, Innovation and Entrepreneurship, and Social Responsibility with an International Vision are among the Institute's Policies, Strategies, Resources, and Quality Assurance.

The **Viswambhara Educational Society** and the Institution's Head ensure liberal, democratic, and barrier-free management in such a way that all stakeholders' services and ideas are reflected for better achievement. The Heads of the various Departments identify the requirements and inputs in terms of monetary support to the Departments and Sections, and they are routed through the Finance Committee for its opinion and comments to the the Principal. As a result, the proposals are submitted to the Governing Council for approval.

Faculty member's views and opinions are crucial in finalising teaching methodology for different courses though it is basic courses/core courses/electives, maintenance of academic standards, and welfare measures meant for student welfare. We are conscious of the role of representation of our students and alumni members in IQAC so that their views are taken into consideration wherever deemed to be desirable for implementation.

This way, we are striving to involve all the stakeholders of the Institute to include at appropriate places to assess the needs, budgetary provisions, academic requirements and changes in our policies and research, etc. The Principal will suitably be initiating necessary steps putting up to the statutory bodies for their consideration, approval and implementation. At our college, we consider the social responsibility to be imbibed as an inherent quality in our students and, thus the Institute contributes by providing socially responsible students as inputs to sustainable socio-economic development.

The faculty members at the departmental level are members in several Committees/bodies. The decisions/resolutions made in those Committees have direct bearing in the governance of the College. The academic council, Board of Governors view those decisions with due respect and generally approve for implementation. That is how, there is a role of every teacher in the administration and governance of the institution.

These achievements have been possible because of the academic eco system of the college that encourages faculty contribution to management decisions, autonomy of HODs in decision making and the freedom

provided to faculty and students to pursue research and innovation and come up with new ideas.

Thus, all the stakeholders of the institute effectively participate and contribute for realization of the vision and mission and is reflective of the leadership efforts and style of the institute.

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:

In the decentralized set up adopted in the Institution, the Principal, who is the academic & administrative head monitors the overall functioning and has powers for academic, administrative, financial issues for the growth of institute in line with the vision and mission of the institution. The Institute has decentralized its operations and has delegated authority at various levels to ensure good governance. In-charge of Internal Quality Assurance Cell (IQAC) monitors and streamlines Academic Quality initiatives like academic audit process and faculty performance appraisals.

- Structured delegation of authority & responsibilities are entrusted to faculty through regular staff meetings to encourage the academic leadership among the faculty within subject disciplines. Faculty are involved to participate through committees to manifest their administrative skills with professional responsibility and accountability and also guide student committee members to learn their leadership qualities.

This ensures their acumen in decision-making with regard to organizing academic, administrative, co-curricular and extra-curricular activities conducted in the course of the academic year.

- The Heads of Departments have adequate autonomy to monitor the functioning of the various departments. For taking important decisions, feedback from all stakeholders is taken into account. The office administration of the College is monitored by the Administrative Officer, Manager, Superintendent, Head Clerks, Senior Clerks, Junior Clerks and other Class III and Class IV Staff. The Administrative Officer in consultation with the Principal co-ordinates the day-to-day activities. Thus, the decentralization of departments and personnel of the institution help in improving the quality of its educational provisions.

- Proposals for procuring required new lab equipment prepared by subject teachers in consultation with technical staff are submitted to HOD. These are reviewed, ratified and recommended in Department Academic Committee in terms of requirement, comparative statements of quotations and budget allocations. Principal approves and facilitates the procurement of Lab equipment and any other infrastructure relevant items through purchase committee. HoDs look after receipt of equipment and their installation.

- In the decentralized governance system, the institute promotes a culture of participative management by involving the staff and students. The Governing Body delegates all the academic and operational decision-making power based on Quality policy to the Academic Committee headed by the Principal. Academic Committee formulates common working procedures and communicates to faculty for effective implementation. Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are entrusted with responsibility as coordinator and convener for organizing seminars/workshops/conferences/FDPs and guest lectures and to organize industrial tours and to have collaboration with industry for academic benefit of students.

File Description	Document
Upload any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institution affiliated to the JNTUH, Hyderabad has a premeditated plan for progress of the institution. The institutional plan is prepared in compliance to the guidelines issued by the University and the Telangana Government from time to time for the successful conduct of the academic programmes. The strategic plan developed by the CAC & IQAC, approved by the Governing Body is adopted where in the goals and action plans are aligned with the Institute's Vision and Mission. College Academic Committee discusses and executes developmental issues and best practices that positively impact teaching-learning process and corrective measures for performance improvement.

The management and faculty of the college realized a few years back that the main concern for many parents was that their wards had to develop technical skill sets relevant to their field of study so that they can face interviews and land with good jobs. The management and faculty decided to increase collaboration with many industries and this has resulted in an increase of internships and collaborations in recent years.

The Strategic Plan has the following objectives prepared keeping in view the feedback from the stakeholders, demand by the society and industry, continuous growth in the areas of employment, infrastructure and future demands.

- Training and practical exposure to the students in the pertinent areas of their study, and skill development, and communicative techniques;
- To improve results of students and to produce more students with higher grades in academics.
- Encouraging to pursue certification courses through NPTEL, MOOCS and train them in such areas;
- Encouraging the faculty members to participate in Seminars/Conferences and extend financial support wherever possible, for their development in career;
- Going for MOUs, Collaborations with other Universities, industries for collaborative studies and research in the commonly interested areas beneficial to students and society;

The list of MOUS and internships are available at the college website. The Strategic Plan is yielding positive results in the said areas, which is evident from the retention of staff, placements for the students, industrial tours, training programs conducted given elsewhere in this study report.

Undoubtedly, the College has planned proposals for development with the key performance indicators from various perspectives for performance assessment and development.

- To address various issues from the stake holder perspective for which it takes steps to fulfill the requirements of its students, their parents, employer community, etc.
- It also takes effort for improving the internal development of the institution by inculcating harmonious work culture. It streamlines various processes like evaluating methodologies of teaching-learning process, research progress, infrastructure facilities etc.
- Learning and growth scope of the institution is explored from various dimensions. Every year, the educational development perspective shows steady progress by applying for new UG and PG courses.
- Financial perspective is also addressed well. Revenue generated by conducting seminars, workshops, faculty development programs etc is being used as seed money. Even the Institution as made a provision to make payment as seed money, if the department does not have any amount.

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 Viswambhara Educational Society was formed on 03-04-1993 under the Societies Act of Andhra Pradesh with Registration No. 1305 of 1993. The college management comprises a Board of Governors which is presided over by the chairman, and the Principal, the Secretary, Heads of various departments and well qualified faculty are members. The Organogram indicates pictorially the flow and distribution of the authority.

Functions of the Governing Body:

Chairman of Board of Governors:

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

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

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

Secretary & Correspondent:

1. Shall be custodian of the funds and other properties of the College.
2. Has to ensure that the decisions by the Governing Body are implemented.
3. Shall be the authority to issue appointment orders on behalf of the Governing Body for which the Governing Body accords approval of recommendations of the concerned selection committee.
4. Shall be the disciplinary authority in respect of the supporting staff, ministerial staff and class- IV staff.
5. Shall have authority to employ temporary lecturers, part time faculty and non-teaching supporting staff.

Director / Principal:

1. He shall be Chief Academic and Executive Officer of the College and responsible for proper administration of the College.
2. He shall be custodian of all records of the College.
3. He shall assist Secretary & Correspondent in implementing decisions of the Board of Governors.
4. He shall prepare annual report of the College by 31st of December every year and present to Board of Governors.
5. He shall be the authority to regulate the work of all the employees of the College and ensure that they perform the duties as assigned to them.
6. He shall have power to sanction leave, vacation and permission to leave head-quarters.
7. He shall have power to depute faculty and other staff for STTPs, technical conferences & abroad.

Head of the Department:

1. Responsible for Curriculum development including design and development of new programs and courses.
2. Responsible for the effective class room teaching, laboratory instruction, assessment of students, guiding UG and PG projects by the faculty of the department.
3. Interact with industries and other institutions and contribute to planning and organization of the educational program.
4. Participate in administrating planning at department level and College level.
5. Contribute for the resource mobilization of the College.

The duties and responsibilities of teachers and other staff along with service rules are described in ***the administrative manual.***

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Paste link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

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

Response: A. All of the above

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

6.3 Faculty Empowerment Strategies

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

Response:

The Institute has been supporting the faculty members financially to attend Seminars, Conferences, Workshops at other places to sharpen their teaching skills and enhance knowledge in their field of study. Certain amount is earmarked as Seed Money for this purpose.

Institution provides loan amount to staff without any interest to purchase laptops and two-wheelers. They are also encouraged to take Health Insurance for themselves and for their family members.

1. Transport facilities:

Free transport for non – teaching staff and concessional transport of 50% for teaching faculty

2. Medical Facilities:

- Free Medical consultancy is provided to the staff through medical officer. One medical officer and one medical assistant are appointed on full time basis. 100% of faculty and staff are availing the

benefit.

- Permanent Female teaching and non-teaching staff are sanctioned maternity leave on full pay twice in their career.

3. Leaves:

- Casual Leaves:

20 per year for Male faculty and 21 for Female faculty.

- Maternity Leave two times in a career with full pay.
- Study Leave on full pay for 3 years for doing Ph.D. and 2 years for M.Tech. in reputed institutions. However they have to give an undertaking to serve the institute for a period of 5 years in case of Ph.D. and 3 years in case of M.Tech.

4. Group Insurance:

The institute has been providing group insurance facilities for all teaching & non teaching staff.

5. Incentives For Paper Publication:

Faculty is provided about **50%** grant for publishing the technical papers in National/International reputed Journals having good impact factor.

- Faculty are provided TA & DA for presenting technical papers at National /International Conferences subject to a maximum of Rs.25,000.00. Almost all the teaching staff are availing the above facilities.

The following measures are initiated by the management for attracting and retaining talented faculty and staff.

1. EPF: All the non-teaching staff are eligible for EPF.

2. 6th Pay: The entire teaching faculties who are ratified are eligible for 6th Pay Commission scales.

3. Incentive for acquiring Ph.D.degree during service:Two increments will be given to those who are awarded Ph.D. degree during the service in this Institution.

4. Other Incentives:

- Rs.5000/- incentive to the faculty for publishing a research paper in International peer reviewed Journals.
- Rs.3000/- incentive to the faculty for publishing a research paper in National peer reviewed Journals.

- Registration fee along with TA and DA will be provided to the faculty for attending National and International Conferences / Workshops / FDP's.
- DA will be enhanced whenever the state government enhances DA.
- Promotions in teaching positions will be given as per the UGC/AICTE norms.

It is evident that because of the effective welfare measures, a good number of employees are being retained by the Institution over the last many years, who are the real asset to the growth and strength of the College. It is not an exaggeration to say that the '**we-feeling**' among the employees owning the Institution is a sign for the social stability and healthy growth of the institute.

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: 52.39

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
135	104	61	109	77

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: 30.2

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
47	30	27	23	24

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: 53.26

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
97	114	65	146	76

File Description	Document
Upload any additional information	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

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

Response:

- Performance Appraisal system is one of the essential significant features for providing quality education.
- Performance Appraisal System includes Self Appraisal for both teaching and non-teaching staff. Performance of the teaching faculty in professional development activities is evaluated through their performance against important Academic aspects such as Academic workload for each semester

- Technical guidance in students' projects, Initiatives and participation in various activities like seminar, workshop, FDP.
- Faculty Paper and Journal publications, Conferences attended, Pursuing higher studies, Consultancy projects, Ongoing and completed Sponsored Research projects, Honors/Awards/medals received, Professional body Memberships, Value added courses, Textbooks authored, Editor/Journal Reviewer, Resource person, Coordinators at college and department level, Role in university as panel member, Service to institution and any other achievements.
- Contribution towards Learning Resources Development at Institute, innovation in teaching, and efforts for Lab Work/Tutorials and University related work is also taken into account for faculty appraisal.
- Institutional governance responsibilities, Faculty interaction with outside world, Involvement of faculty in Non - academic issues such as NSS & Co-curricular & Extracurricular activities and Association activities are also considered for appraisal of faculty.
- For effective evaluation of the faculty at the institute, the other parameters considered are students' feedback, Mentoring, punctuality, preparation, presentation skills, Management of discipline and control, subject knowledge and Approachability.
- It also involves the reviews and comments of the HOD, team work and contribution to the department, Instruction compliance, Commitment to the Department and Institution, Mentoring Ability and Organizational Skills in conducting events.
- Assessment of performance of Non-teaching staff is based on the factors such as higher studies, certification programs, workshops attended and training programs participated. At the end of each year, staff is evaluated for their performance. Wherever, there is scope for improvement, it is communicated to the concerned staff through their reporting officers.

The institute assesses faculty through a well structured appraisal system:

- At the end of semester, faculties are evaluated for their performance. Faculty submit duly filled in form with relevant documents and evidences to their Reporting officers. Self- appraisal score is further verified and finalized by the Reporting Officer.
- Performance appraisal system is implemented as per the guidelines from UGC. The appraisal report of the faculty is submitted to the Principal through the respective heads of the departments.
- Student feedback is taken on an annual basis and staff members are given a summarized report of the feedback. Staff members meet the Principal along with the HOD and necessary corrective measures are discussed.
- Feedback is taken from the parents during the tutor-mentor meetings through Parents Feedback Form. The feedback is examined and a report is compiled for observation. On the basis of the report suitable changes are made in the College.
- The Faculty appraisal taken periodically gives details of the academic growth of the faculty. The process is designed to foster individual development and identify opportunities for additional support wherever required

File Description	Document
Upload any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Every year, internal audit will be conducted by the audit section of the college headed by an Officer. After thorough verification, audit section will submit their appraisals to the Principal for follow up action. College accounts will be audited by the qualified chartered accountants. No major audit objections are identified so far by the chartered auditors.

The College accounts will maintain Cash Books, Ledgers for each of the account. Bills will be properly verified before every payment, and at the end of every month reconciliation is made and noted for future records. Bills will be preserved after they are passed by the internal audit for scrutiny by the Chartered Accountant for preparation of Income and Expenditure statement. During the last five years, we have been adopted the same mode of accounting satisfactorily. The audit reports of the last five years are given in a link separately.

Further, every year at the end of the financial year, the College accounts are audited by Chartered Accounts Agency nominated by the College and the same are presented to Board of Governors for approval. A copy of the audited statement is also sent to AICTE along with the proposal for processing the application of the College for admitting the students for the next academic year.

The Annual Audit Reports duly signed by the competent auditors will be submitted every year to the academic bodies at State and Central level, as may be required. These Reports provide an insight to the College management also with regard to its allocations.

The budget proposals which are prepared before the commencement of new financial year are prepared depending upon the experience of the preceding year allocation, expenditure its shortfall or otherwise. The strength of students and statutory requirement of infrastructure are also considered. The revisions in pay scales to the staff are also a point for enhancement to the specific head in the ensuing financial year.

File Description	Document
Upload any additional information	View Document

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

Response: 0

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

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

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

Institution has well defined mechanism to monitor effective and efficient use of available resources. College obtains proposals from concerned departments in which all the teaching members of the department involve. College receives the needed infrastructural and other facilities required by the departments. After assessing the projected income for an academic year, and after the approval of BOG, the College allocates budget to each department and institution with minute details for both Recurring, and Non-Recurring.

Purchases will be made with the recommendations of duly constituted Purchase Committee and with the approval of Secretary & correspondent. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the signatures of the AO, and Secretary & Correspondent. In this process the expenditure made will be identified whether it is budgeted expenditure, or out-of- budgeted expenditure. In case of out of budgeted expenditure, ratification is sought from the Secretary & Correspondent.

Nevertheless, the main source of income in the institute is fees paid by the students/ reimbursement by the government of telangana, though, in installments.

Every year in the month of September/October, College proposes the annual budget based on the admissions filled in for that academic year and as per requirements to the governing body meeting. It will be thoroughly reviewed comparing with the previous academic year budget and, modifications will be suggested and final approval of the budget will be taken. The approved budget will be utilized as per the schedule.

The College mobilizes the funds in the form of sponsorships for conduct of Students Technical Fests, Quizzes, seminars and exhibitions from small and medium entrepreneurs in and around Warangal.

Further, faculty is encouraged to apply to financial agencies such as AICTE, DST, CSIR and UGC to get financial sanctions for Projects and modernization and training programmes. So far we have received very small amounts from the funding agencies. However, the faculty are striving to get funds especially for their project proposals.

File Description	Document
Upload any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The Internal Quality Assurance Cell has been constituted in the year 2022 with the specified composition headed by the Professor, which has been playing a crucial role with its initiatives in academic and administrative domains.

The following are some important initiatives by IQAC:

1. Number of Memorandum of Understanding with different organizations has been initiated.
2. A Centre of Excellence has been established.
3. A Research Laboratory exclusively for those who are pursuing their research for doctoral degree has been established.
4. Certified Courses in Network Administration (CCNA) has been established.
5. A core group of teachers visited the SPBIT, Bombay to visit their institution and their incubation centre. And, an Incubation Centre is established at our place.
6. IEEE, Regional Centre at VEC could conduct a number of programmes.
7. IETE, VEC conducted many programmes.
8. ISTE, VEC, Warangal chapter conducted various technical meetings.
9. Entered an MoU with SmatBridge and ICT academy.
10. There has been an enormous growth in internships.
11. Number of faculty members from various departments have been sponsored to attend for conferences and workshops at other reputed institutions.
12. The rate of quality publications increased.
13. MoUs are signed for students exchange programme with other agencies.

14. CRT & GATE Classes schedule is included as part of the time-table.

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:

At the initiatives taken by the IQAC, the slow learners and advanced learners are identified and suitable steps to improve and mould them respectively are taken. To identify the slow learners, among the other steps, the students' marks in his IPE, rank in Eamcet and first mid examination marks are considered. Through result analysis and feedback taken by from the students, the performance of teachers as also the students will be critically viewed to arrive at a reasonable conclusion.

- GATE questions are collected and circulated among all the teachers to go through them and, include with suitable changes in the internal/assignments.
- Results analysis is thoroughly done to verify the areas of weakness, and steps are taken to bridge the gaps in teaching-learning processes.
- Before allocating subjects to teachers, as a precaution the teachers are identified and sponsored to concerned Faculty Development Programmes to sharpen their knowledge in the domain concerned. This activity is done well in advance ahead of a semester so as to avoid confusion in allocation of subjects.
- More number of workshops are conducted on teaching-learning processes using Bloom's Taxonomy.
- Especially the faculty members are encouraged & motivated to attend the NPTEL course work and get certification to enhance their knowledge.
- The students are advised and encouraged and, offered certification courses useful to improve their skill and increase employability.
- Number of Scholars have increased inclining for research and doctoral degree because of the motivation and direction given by the departments.

File Description	Document
Upload any 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 initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: B. 3 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
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Safety and Security:

In providing education, VEC strives to ensure gender and social fairness by raising awareness among students regarding gender imbalance in society and the workplace.

Our College considers the safety and security of its pupils to be a top priority that is virtually and inextricably linked to its educational mission. Tight vigilance is maintained at the gates 24 x 7 by the security professionals with no one being allowed to access the college or hostel premises without an Identity card or authorised entry permission.

Furthermore, surveillance with adequate number of indoor and outdoor CCTV Cameras is a part of security services.

Common Rooms:

Common rooms are available in the Academic blocks of the Institution to rest in case of any illness, which are equipped with tables, chairs, drinking water and wash rooms exclusively for girl students and women employees. A health center is available in the campus. Sanitary towels and sanitary Incinerators are made available in the Health center to promote hygiene.

Counselling:

The counselling cell provides a happy and comfortable environment for students to discuss their problems regarding their academic and social life. The cell also provides motivation, psychiatry and therapy sessions. The office of Counselling led by Student Counsellor provides a confidential atmosphere in which the students can explore any topic or situation and discuss any concerns they may have to overcome such as anxiety & stress. In certain cases, to solve issues, the help of the student's parents are sought and counselling is given to them too.

Day Care Centre for Young children:

It supports the lady faculty members and students who have kids. It was established in December 2018 to provide supervision and care of infants and young children during the daytime, particularly so that their parents can hold jobs & studies.

Any Additional information

VEC installed some committees exclusively for girl students and women faculty.

Anti Sexual Harassment Committee:

Following are the functions and responsibilities:

- To build self-esteem and dignity among girl students and women faculty members
- To create a safe environment that is free of sexual harassment in the college.
- To take cognizance of complaints about sexual harassment, provide assistance and redressal to the victims, recommend penalties and take action against the harasser.
- To seek medical, police and legal intervention with the consent of the complainant.

Women Empowerment/Protection Cell:

The following are functions and responsibilities:

- To conduct awareness programs to emphasize on the rights of the women and women welfare laws.
- To highlight the importance of health and hygiene
- To direct Women's role in the society.
- To develop multi disciplinary approach for the overall personality development.

Grievance cell:

The Grievance cell is empowered to look into matters of harassment on girl students and women faculty. Anyone with a genuine grievance may approach the Committee Chairman in person, or in consultation with the committee members of the Grievance Cell. Immediate action will be taken by the grievance cell.

File Description	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
Link for annual gender sensitization action plan	View Document

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

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

Response: A. 4 or All of the above

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

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:

Vaagdevi Engineering College(VEC) is committed to “zero waste” and reducing the environmental impact of its activities.

Solid waste:

The eco-friendly waste management system involves a magnetic flux created with controlled oxygen presence which ensures the complete combustion of waste decomposing solid waste material into ash. The College premises has been declared as ‘no plastic’ zone and litter free area. Our sub staff if any such material is thrown and sends for natural combustion.

The vegetable waste from canteen is arranged to be disposed regularly to keep the campus clean. The college believes its utmost responsibility is to remove all waste not only for safety of students but also for the harm it causes to the environment.

Adequate number of trash cans and dust bins are placed all over campus. The collected waste is disposed with the help of Bollikunta Gramapanchayathi on a daily basis. The institute promotes minimal plastic usage; it also encourages staff and students to reduce the usage of paper.

Sanitary Incinerators are installed inside the campus to promote hygiene. To sustain eco-friendly and green enabled campus, various NSS programs like Swachh Bharat, Clean & Green activities and plantation in campus are regularly conducted.

Liquid waste:

In our Institution all the buildings are architect designed taking into account for maximum utilization of natural resources. Awareness among the students and staff on water conservation is created. The campus is zero water discharge campus. This saves portable groundwater and supply of plant treated water by government agency.

Water harvesting pits are constructed in the campus and the pits collect rain water through pipe

lines and small canals. The Institution has significant provisions for rainwater harvesting. The rain water is channelized properly to recharge the ground water level. Adequate arrangements to collect the roof water during rain are in place and this water is supplied to plants and trees.

E-waste:

The e-waste includes a wide range of electronic and electrical items such as computers, printers, keyboards etc. The institute takes efforts to minimize e-waste by repairing the computer peripheral and electronic components. E-waste generated from various departments which cannot be reused or recycled is being disposed off centrally through certified eco-friendly vendors. Instead of buying a new machine buyback option is taken for technology up gradation. Any damages or reductions in capacity are decreased by repairs. In addition, the college emphasizes on minimum paper usage to save carbon emission in printers.

Hazardous chemicals and radioactive waste management

The College takes every precaution regarding chemicals and other things that could be dangerous in nature. Teachers and support workers advise students about the dangers of improper or negligent chemical handling. Any laboratory glassware is rinsed with the bare minimum of water and disposed of in liquid waste container. The college's organic waste is treated using cow dung and urine to help it decompose owing to the action of microorganisms.

File Description	Document
Link for Geotagged photographs of the facilities	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	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
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

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

Response: A. Any 4 or All of the above

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

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

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

Response: A. Any 4 or all of the above

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

7.1.7 The Institution has disabled-friendly, barrier free environment

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

Response: A. Any 4 or all of the above

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

As proven by the fact that students from many castes, faiths, and regions study together, Vaagdevi Engineering College believes in the equality of all cultures and traditions. Despite the institution's diverse socio-cultural history, there is no discrimination based on cultural, regional, language, communal socioeconomic or other disparities. The college organizes and conducts many events to construct and promote an atmosphere for ethical, cultural, and spiritual values among students and staff in order to create a country of noble youth who are morally responsible. Commemorative days are celebrated on campus with the initiative and assistance of the administration to generate emotional and religious sentiments among students and faculty for not only entertainment and enjoyment but also to develop emotional and religious feelings among the students and faculty and to foster a sense of unity and social harmony. Faculty and staff jointly celebrate cultural and regional festivals such as New Year's Day, Fresher Party, Teacher's Day, orientation and farewell programme, Induction programme, rally, oath, plantation, Youth day, Women's day, Yoga day, and festivals such as Diwali, Bathukamma, Sankranti, Christmas celebrations and New Year celebrations, and so on. The campus is a place where religious rituals are done.

Our college also celebrates National festivals, birth anniversaries, and monuments of prominent Indian personalities such as Mahatma Gandhi, Sardar Vallabhbhai Patel, Pandit Jawaharlal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, and Lal Bahadur Shastri with tremendous zeal. On October 31, the institution commemorates Sardar Vallabhbhai Patel's birth anniversary with Rashtriya Ekta Diwas (pledge) taken by staff and students on (National Integration Day) every year.

Motivational talks by famous experts in the subject are held to help students develop their personalities and become responsible citizens who adhere to national values of social and communal peace and national integration.

Besides academic and cultural activities our college has created several robust infrastructures for a variety of sporting activities for the students' physical growth. In this approach, the institute's efforts/initiatives in fostering an inclusive atmosphere for everyone with tolerance and harmony toward cultural, regional, linguistic, communal socioeconomic, and other diversities are realized.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

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

Response:

India as a country includes people from many backgrounds, including cultural, social, economic, linguistic, and ethnic diversity, all of which are governed and guided by the Constitution, regardless of caste, religion, race, or gender.

Vaagdevi Engineering College Sensitizes the students and faculty of the institution to the institution's constitutional obligations regarding citizens' values, rights, duties, and responsibilities, allowing them to act responsibly as citizens.

By offering an effective, supportive, safe, accessible, and affordable learning environment, students will be equipped with the knowledge, skills, and values needed to maintain a balance between work and life. These values are instilled in the collegiate community's value system. Students are inspired by renowned persons who participate in numerous programmes on culture, traditions, values, obligations, and responsibilities. Students are involved in awareness campaigns about the ban on plastics, cleanliness, Swachh Bharat, and other topics.

Every year Republic day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Similarly constitution day is celebrated on 26th November every year. Independence day is celebrated every year to highlight struggle of freedom and importance of Indian constitution.

The college creates policies that are based on its basic beliefs. For students and employees, a code of behavior has been prepared, and everyone is expected to follow the standards. As a minor step toward instilling constitutional commitments among students, the affiliating University curriculum includes mandatory courses such as Professional ethics and human values and Constitution of India.

Guest lectures and workshops are arranged by eminent personalities to deliver lectures on ethics, values, duties, and responsibilities and on saving the environment. Ethical Values, rights, duties, and responsibilities of citizens are some of the topics that are enlisted in Elocution, debates, and class presentation.

Over the previous five years, there have been several major initiatives

* A separate NSS and NCC units are started exclusively to encourage the students and the units are successfully conducting activities to serve the society.

The following Programs are organized by the NCC and NSS students.

1. Swachh Bharath programme is conducted inside and outside of the college every year.
2. Blood Donation camp
3. Awareness programme on Importance of Technical education in various schools.
4. Awareness programme on Digital Literacy for rural students in the Covid-19 pandemic situation.
5. Statue cleaning programme in various village by NCC students
6. Hospital cleaning by NCC students
7. Plantation programme

File Description	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:

National and international remembrance days, events, and festivals are celebrated/organized by the institution. National festivals play a vital role in instilling a sense of patriotism and nationalism among Indians. Our organization commemorates these occasions with zeal in order to honour the philosophy of nationalism and to honour our great national leaders. The institution's Faculty, Staff, and Students get together to commemorate these occasions and promote the message of unity, peace, love, and happiness throughout the campus.

Every year on January 26th, the institution commemorates the adoption of the Indian constitution and spreads the notion that India is the world's largest democracy. This is a day to remind pupils of the country's constitution and the need of adhering to it at all times. The Principal will give a statement during the celebration, which feature the hoisting of the national flag and the spreading of a warm message of nationalism.

Independence Day

Every year on August 15th, parades and flag hoisting are held to commemorate India's independence from British dominion. Students are encouraged to commemorate our national leaders and their sacrifices at the institution.

Gandhi Jayanti

Every year on October 2nd, Gandhi Jayanti is observed to better comprehend the idea of our great leader Mahatma Gandhi, and students and employees take a promise. In today's world, we encourage students at our institution to embrace Gandhi's principles of truth and nonviolence, and to contribute to the nation's peace and development.

Martyr's Day

Every year on October 31st, Martyr's Day is commemorated to honour the Father of the Nation and other martyred troops.

International Womens day:

Every year on March 8th Womens day is celebrated in our college. In these celebrations each and every girl student and women faculty participate in various cultural programmes organized by the women cell.

International Yoga day

International Yoga day is celebrated on 21st June every year. The yoga Instructor organizes the yoga camp and a speech is conducted to make everyone aware on how Yoga embodies unity of mind and body; thought and action; restraint and fulfillment.

Voters Day

Voters Day is celebrated on 25th January wherein the students are given awareness on their duties and rights as a loyal citizen.

Farmers day, Engineers day and Mathematics days are also celebrated in our college.

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:

1. Title of the Practice: TECHNO CULTURAL FEST

2.Objective of the project:

The objective of techno cultural fest is to provide a refreshing environment to students to showcase their hidden talents and creativity beyond academics. The students gave a range of performances from dancing and singing to playing musical instruments, and have actively participated in many technical events. The fest brought out a fusion between technology and India's varied culture.

1. The Context:

Techno cultural fest is an annual technical and cultural festival which serves as a platform to emerging and latent talents in the cultural and technical domain. It is a long carnival and one of its kinds in the region which became increasingly popular with every succeeding year. Cultural and technical arena being open for all, along with peak entertainment.

2. The Practice:

Cultural fest is an annual cultural event at a college organized by the cultural club with the support of their Faculties, Principal and Management.

Cultural means involving or concerning the arts with a deep sense of humor which is also a part of Cultural heritage. In the academic time table we include cultural and sports hour in which the students are trained based on their interest and participate in the event. Every week there is an event conducted according to their time and the departments.

- **Based on these weekly events college level competition among students is held which creates enthusiasm among them to participate.**
- It involves participants from other colleges as well, so it's also termed as inter collegiate Fest. Number of competitions are organized for students. Professional artists are also invited as guest or may be as judge so as to encourage more number of students to be a part of the Fest.
- This provides an avid opportunity for students to show their technical and cultural expertise and a platform to learn through practice. Many events like Tech Quiz, Poster presentation, Project presentation, Robotics, Model Making, Language gaming and many more are included to extract the young talents.
- This event has become the platform for the exchange of recent technological developments and a pool of young talents. Not only the technical events but you can also find zones to enhance your skills like photography, short films.
- India is a multicultural and multilingual country having rich heritage of various cultures and traditions. Now in the changing scenario of globalization, various traditions and costumes are vanishing. It is our duty to preserve these oral and unnoticed traditions, languages and their existence by performing the folk cultural events and to know about the various traditions to the present students of the college.
- To motivate the students regarding the various festivals and costumes in the nation and to preserve the Indian culture and tradition in the globalized context of education we conduct Traditional day at the college.

3. Evidence of Success:

- College fests are usually a highlight in every student's college life. College fests act as a platform for students to showcase their innovative ideas, compete with their peers, and have a feel of the 'real world'. Especially technical fests. These are an amalgamation of fun and learning where spectacular ideas are displayed, and students learn and feel inspired.
- Our students have participated in the college events they have received certificates and token of appreciation. The students who have participated in other college events have also received prizes and certificates. They gain experience from different sources. The transition from students to leaders takes place.
- It has been the regular and fixed activity of the college, it is a very successful one and famous among the students. This gives ample scope to the students who hardly take part on the stage as an artist. It definitely increases the confidence of the students and many of them take part either individually or in a team. Every year it is a novel experience for them so the event is a grand success.

4. Problems Encountered and Resources Required:

- Slot Distribution- After you raise fund and has budget, the real nightmare starts for the organizer. Everyone wants to be in the early slots and no one wants to take the ending slots. Especially in college level, everyone think their theme/play/show is the best and it has to be presented within early hour.
- Mischievous Students- They are common in every college. They take no responsibility, no part nothing. For them such events mean to fight/comment and break chairs in the last rows/ misbehaving with outsiders etc. The organizers have to be aware of them too.
- Water and Food Distribution- Nobody talks about these. But these are the real problems in events. Sports/ dance/performance/DJ night/fest etc requires proper water supply to be comfortable

experiences for everyone present.

The team presentation requires sufficient time for preparation and also the traditional resources to enhance the quality of presentation. Inadequate time for preparation and to bring live resources has been some of the constraints in the organization of the event-The Traditional Day.

Practice.2: MENTORING SYSTEM FOR STUDENTS

1.Objectives of the Practice:

To minimize dropouts, improve performance and reduce stress of the students through personal counselling.

2.The Context

Students face various forms of stress - personal, academic, physical, mental etc., Considering that students are new to professional college life, it creates a lot of stress, especially to hostel students who are away from their family for the first time. Students from educationally weak background feel inferior, hesitate in class and are unable to perform well due to inhibitions. Statistics reveal increase in number of suicides and dropouts. Considering the student-teacher ratio in classrooms, at times it is difficult to give individual attention to students in the class. One solution therefore is a 'Mentor' who can develop a bond with students in true sense. Mentoring is required for students to achieve emotional stability and to promote clarity in thinking and decision making for overall progress.

3.The Practice.

- Each teacher is assigned up to 15 students during the course of their 4 years.
- Each mentor is provided with a file comprising of students' academic profile, career aspirations, hobbies, subject information, term-wise record of mentorship plans, report of parent-teacher meetings, record of participation of the students in co-curricular and extra-curricular activities and achievements.
- They meet at least once a month to discuss, clarify and share various problems which may be personal or academic.
- The mentors encourage the students to participate in co-curricular and extracurricular activities and sports.
- Their academic performance and other activities are monitored and recorded.
- The mentors also keep in touch with the parents regarding the student's attendance, test performance, fee payment, examinations etc., on weekly basis.
- The mentors also counsel the students who might be in need of emotional support.
- When students face any problem in any department, either with the staff or work completion, the mentors take necessary corrective measures to sort the problem.
- Mentors take special care of weak students, who are given advice on how to study, prepare a time table, clarify the doubts and also give notes to study.
- Chief Mentor of the department monitors the progress of counselling of students by their respective mentors.
- Students' problems are discussed with the department heads, other faculties and necessary actions

are taken to resolve them.

4.Evidence of Success:

This practice has shown improved results in the examinations, attendance, dropouts, participation in co-curricular and extra-curricular activities, better discipline on campus. The students are more relaxed and have a healthy relationship with the faculties.

5.Problems Encountered and Resources Required:

The college understands and acknowledges the need for effective mentoring for better outcome for its students. Though there was an overall improvement in various facets of students' life, problems are still encountered. Few of them are, reaching out to each student individually due to the large number of students in the class, tracking outcome, lack of motivation among students etc.,

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:

Uplifting Rural Students through Technical Education

The main ambition of our institute is to furnish an opportunity to the rural students of this area especially the rural girl students to pursue the higher education for their development and progress of the family. This distinctiveness of supporting rural masses in achieving their dreams of leading a good quality life with purpose is unique to our institute.

This initiative not only helps rural people meet their aspirations, but more importantly serves as a strong 'growth engine' for the country by tapping huge unexplored talent and energy of rural youth. Also, this distinctiveness is in sync with the institute's Vision and Mission of serving rural community through engineering education.

The rural students have some basic issues regarding use of English for communication, apprehensions of living and dealing with the cities, etc. The college atmosphere has been created to enable the rural students to hone and exhibit their engineering skills at par with the industrial expectations. Special attention is paid towards developing communication skills through

- Personalized contact of faculty with the students under the mentorship system, whereby a student is assigned a faculty mentor during their first year.
- Continuous practice sessions in the English laboratory, delivery of seminars etc. are an integral part of the curriculum that helps students in their pursuit of competing with the world.
- To further instil confidence in the students, various programmes are run in the institute.
- These programmes focus primarily on various cultural and technical activities including debates, quizzes, paper presentation etc.
- The events under these societies are primarily planned and conducted by the students themselves, under the guidance of faculty, which is a good mean of experiential learning.
- The students are also encouraged to participate in activities being organized at other institutes/universities to help them develop public speaking skills, a prime requisite of a contemporary engineer.
- NSS and NCC units are also established in the institute through which students get opportunity to understand and learn societal and national perspectives and requirements.
- Institute provides an opportunity for the rural youth, especially for the economically underprivileged students from the villages and provide merit scholarships for benefited students.
- Literacy rate is gradually improving in the various villages surrounding our institution.

Our institution is providing so many facilities to the students to achieve their goals in a right manner. As a part of this we have started VIBA (Vaagdevi incubation Business Accelerator) for the students to implement their innovative ideas in to real time projects. Students are encouraged to register themselves in the professional bodies of engineering/technology like IEEE, CSI and IIC etc. so that they will be exposed to the engineering environment and culture. It will create a good ambience to the students to get activated in their branch of engineering and will be benefitted professionally. They will no doubt getting more aware of the latest things that are taking place in the subject. Further, their leadership qualities, and the quality of working-together will also be improved while participating in such events.

Our institution also implemented Mentoring programme called **Dial Your Village (DYV)** with NRI candidates.

Implementation of DYV (DIAL YOUR VILLAGE) “Step-Up” Mentoring Program

Dial Your Village (DYV) is a non-profit organization of a group of NRI's committed to the empowerment of communities by supporting in the areas of education, health and livelihoods. DYV's overall objective is to foster holistic, just and sustainable development among communities and individuals, particularly among them marginalized sections and villages. For this purpose, DYV draws on the resources of like-minded individuals, organizations and governments in local communities and establishes learning and working networks for the effective crafting and delivery of its services.

Especially rural students face additional challenge with communication skills, which compounds their ability and lowers their confidence levels. A systematic approach to guide these students right from their 1st year of graduation will prepare them for their future prospects after graduation, making the transition seamless and smooth.

Assigning A Mentor – DYV will identify and assign a faculty as a mentor from each department. Every mentor, depending upon the availability of their time can mentor up to 5 students. Having multiple students gives better perspective to mentor. Mentor will interact with student every week for an hour.

Assessment - Assessment of student's passion, aspirations, goals and challenges will be done by Mentor.

Goal Setting - Most of the students may not have clarity on the goals and aspiration. They may be vague or may have misconception. One needs to clear those misconceptions, give them clarity and assist in "goal setting". Mentor will help student to identify the "goals"

Career Steps – Mentor will support student to define steps towards reaching the goal which includes taking additional courses, certifications, participating in Conferences, connecting to experts, short term training programs during summer vacation and internships etc.

Mentor also will help the students in Resume preparation, Interview preparation and to improve their interpersonal skills.

Apart from this, our students are also encouraged to visit various agriculture fields in nearby villages. Recently our college conducted "**Agri conclave Finale**" field trip to get the statements of farmer problems. During the trip students visited three villages viz., Ramachandrapuram, Gavicharla and Ashalapally to identify the problems faced by farmers in their fields. In this programme students had face to face interaction with farmers and visited various crops in fields. Students created awareness among the farmers on smart technologies which are being implemented in the irrigation system. In the fields, students have identified some problems and are on their way to provide technical solutions by using IOT and latest technology sensors.

The programme is very useful to the students to implement low cost innovative projects. Our college gives technical and financial support to the students to implement real time projects which are helpful to the farmers.

Field trips are especially attracting the rural students to create technical solution to the problems that are being faced by their parents in the agriculture.

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

5. CONCLUSION

Additional Information :

The college is positively moving from local to one of the best colleges in Warangal District, in its approach. In this direction college is carrying out educational, research and extension activities conforming to higher education standards and for fulfilling the Sustainable Development Goals.

Concluding Remarks :

The college is on its path to take on future challenges of higher education. The college strives to maintain and sustain standards of teaching-learning process, research and innovation which continue to guide curricular and co-curricular thrusts of the college. The journey with few students in transient sheds to its own campus with ever-increasing infrastructural and academic facilities is the sign of it to provide the leadership in the discipline of various streams of study it offers. Keeping the pace with changing demands and scenario of higher education, the college is updating and enriching the new and skill based courses. The College introduced **B.Tech CSE(Artificial Intelligence and Machine Learning)** , **B.Tech CSE(Data Science)**.

Furthermore, the college strives to provide better pedagogical, research, academic and infrastructural facilities. The college responsibly engages with people and makes knowledge and information accessible to all the sections of the society. The college aptly lives up to its vision and mission.