



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VAAGDEVI COLLEGE OF ENGINEERING

BOLLIKUNTA, KHAMMAM ROAD, KHILA WARANGAL(MANDAL)

506005

vaagdevi.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Vaagdevi College of Engineering (VCE) was established in the year 1998 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. UGC granted autonomous status to this institute in the year 2014. The Institute has also been recognized under section 2(f) & 12(b) under UGC act.

The College has a 25.20 acres (101981 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 7 departments, offering 5 B.Tech Programmes namely Civil, Mechanical, ECE, EEE, CSE and 17 PG Programmes including M.Tech and MBA. B.Tech CSE, ECE & EEE programmes were accredited by NBA twice in the years 2009 & 2017 respectively. We are in the process of applying for NBA accreditation for the other two B.Tech Civil & Mechanical Engineering programmes as they got eligibility recently.

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 65000 books, 3227 reputed e-journals, 254 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 14 MoUs with institutions of national, international importance and other universities, industries, corporate houses.
- ♦ The faculty members are an ideal blend of youth and experienced. 53 are Ph D faculty and 56 faculty members are pursuing Ph D.
- ♦ College encourages faculty for Ph D and Post-doctoral research.
- ♦ B.Tech - CSE, ECE & EEE programmes were accredited by NBA twice in the years 2009 & 2017.

- ♦ Globally recognized certification skill development courses are offered. (SEEK - Skill for Employability & Enhancement of Knowledge).
- ♦ 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 30% of eligible students get placed every year in leading companies.
- ♦ As a part of CBCS scheme, students take advantage in completing two subjects early to focus more on career development during the last semester.

Institutional Weakness

- ♦ Industry-Institution Interaction needs to be strengthened further.
- ♦ Faculty with industrial experience is less in number.
- ♦ Communication skill 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 College of Engineering being an autonomous institution taking every care to update the contents of the syllabi prescribed to be relevant to the demands of the industry and introducing topics in the emerging areas of the discipline. The Boards of Studies will take steps to revise the topics of the syllabus keeping in view the credits prescribed, learning objectives and program specific outcomes keeping in view the technological changes from time to time. Great impetus is given, while revising the course content, for the employability and entrepreneurship.

During the last five years many new courses have been introduced revising the syllabus of almost all the engineering branches which is an indicator of the flexibility. We have switched over to the Choice Based Credit System in all the engineering branches for interested students to take advantage for building skills for their career and temporal benefit to join industry early.

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 and it is 25 courses on an average per year. We have taken internships very seriously, and the students are sent for internship to a concerned establishment/industry for hands on training and exposure, and the number is very high to be as much as 1100 in the year 2017-18. Feedback is being collected from all the stake-holders once in a year, and is analysed for revising the syllabus and allocation of subjects to teachers.

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, IEI (I), ACCE(I) and CSI, etc., whereas the others are encouraged to extra classes and assignments.

The student – full time teacher ratio 15:1 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 (13) students, one mentor is nominated which is workable and viable.

The academic calendar is strictly adhered to and the declaration of results in a reasonable time has become very important in the interest of students. At the end of every year, well before the commencement of next academic year, the recruitment process is completed.

Of late, many changes have been brought in the examination and evaluation system. Online applications are received and system generated hall tickets are issued. Coding and decoding of answer booklets is done using bar code. All out efforts are made to declare the results as soon as possible. During 2017-18, 80% of students have graduated.

Research, Innovations and Extension

VCE has a well defined policy for promoting research. An amount of Rs.23.98 lakh is sanctioned towards research projects sponsored by various bodies.

The institute has (7) faculty members as recognized as research guides, and (11) Ph.Ds are awarded during the last five years.

At our College, total of (60) workshops have been conducted on Intellectual Property Rights (IPR) and Innovative Practices.

The institute with a strong eco system for innovation through technology has won a total of 17 innovation awards by institution/teachers/students during the last five years.

VCE adheres to the code of ethics. About 137 research articles in journals, 143 books and book chapters/conference proceedings have been published and 5 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 70 extension and outreach programs are conducted in collaboration with industry, community and non-governmental organizations through NSS/NCC/Red Cross/YRC etc., for which (42) recognitions/awards have been received from the government/recognized bodies during the last five years.

Around 1213 students of the institute have collaborated with industries for internship, on-the-job training, and project work. The institute has 14 functional MoUs with institutions of national, international importance, foreign universities, 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. 60% 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 65000 books, 3227 reputed e-journals (IEEE, J-Gate, Delnet), 254 print journals and 3454 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% of our students are benefitted every year. Apart from this, our institute is also supporting the economically poor students, which is about 12%. 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 30% 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 College of Engineering 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.

- ♦ Institute has provided with financial support to 1097 faculty members in various departments to attend the workshops, conferences, towards membership fee, etc in the last five years.
- ♦ Altogether 109 workshops, development and administrative programmes organized in the institution for

teaching and non-teaching staff during the last five years.

- ♦ A total of 1207 no. of teaching faculty have attended professional development programmes, orientation programmes, faculty development programmes, etc in various institutions across the State.
- ♦ IQAC is established in the year 2014, and it has conducted (19) quality initiative programmes since its inception.

Institutional Values and Best Practices

1. During the last five years, the institution has organized (30) 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 1,97,100 KWH per annum through solar energy with an overall installed capacity of 300KW. In addition to it, The lighting requirements are changed from conventional sources (65%) to LED lighting (35%) 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 28 programmes are conducted to expose the students to social problems, legal applications, social importance are initiated for the last 5 years, and 43 programmes are contributed to local community are conducted during the last 5-years.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VAAGDEVI COLLEGE OF ENGINEERING
Address	Bollikunta, Khammam Road, Khila Warangal(Mandal)
City	Warangal
State	Telangana
Pin	506005
Website	vaagdevi.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K Prakash	0870-2865182	7799086969	0870-2865185	principal@vaagdevi.edu.in
IQAC / CIQA coordinator	Janaki	0870-2865183	9885692640	0870-2865181	janakicse@yahoo.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of 'Autonomy'	01-01-1998

Date of grant of 'Autonomy' to the College by UGC		19-06-2014		
University to which the college is affiliated				
State	University name	Document		
Telangana	Jawaharlal Nehru Technological University	View Document		
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC	08-08-2013	View Document		
12B of UGC	08-08-2013	View Document		
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	16-04-2018	12	Extension of Approval for this academic year

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	Bollikunta, Khammam Road, Khila Warangal(Mandal)	Urban	25.2	27536

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate through EAMCET	English	180	143
UG	BTech,Electrical And Electronics Engineering	48	Intermediate through EAMCET	English	180	93
UG	BTech,Mechanical Engineering	48	Intermediate Through EAMCET	English	180	72
UG	BTech,Electronics And Communication Engineering	48	Intermediate Through EAMCET	English	240	180
UG	BTech,Computer Science And Engineering	48	Intermediate through EAMCET	English	240	202
PG	Mtech,Civil Engineering	24	BTech	English	24	0
PG	Mtech,Electrical And Electronics Engineering	24	BTech	English	24	0
PG	Mtech,Electrical And Electronics Engineering	24	BTech	English	36	0
PG	Mtech,Electrical And Electronics Engineering	24	BTech	English	24	0
PG	Mtech,Electr	24	BTech	English	36	0

	ical And Electronics Engineering					
PG	Mtech,Mechanical Engineering	24	BTech	English	24	0
PG	Mtech,Electronics And Communication Engineering	24	BTech	English	24	0
PG	Mtech,Electronics And Communication Engineering	24	BTech	English	18	0
PG	Mtech,Electronics And Communication Engineering	24	BTech	English	36	0
PG	Mtech,Electronics And Communication Engineering	24	BTech	English	24	0
PG	Mtech,Computer Science And Engineering	24	BTech	English	36	0
PG	Mtech,Computer Science And Engineering	24	BTech	English	18	0
PG	Mtech,Computer Science And Engineering	24	BTech	English	36	0
PG	Mtech,Computer Science And Engineering	24	BTech	English	24	0

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PG	Mtech,Computer Science And Engineering	24	BTech	English	24	0
PG	Mtech,Computer Science And Engineering	24	BTech	English	18	0
PG	MBA,Master In Business Administration	24	Three year under graduate degree	English	180	122

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	13				26				280			
Recruited	11	2	0	13	18	8	0	26	196	84	0	280
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				62
Recruited	49	13	0	62
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				32
Recruited	27	5	0	32
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	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	2	0	5	2	0	30	4	0	52
M.Phil.	0	0	0	0	0	0	1	2	0	3
PG	2	0	0	13	6	0	165	78	0	264

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

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

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	467	0	0	0	467
	Female	231	0	0	0	231
	Others	0	0	0	0	0
PG	Male	119	0	0	0	119
	Female	138	0	0	0	138
	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	93	113	134	124
	Female	40	65	75	91
	Others	0	0	0	0
ST	Male	63	61	64	76
	Female	18	27	37	37
	Others	0	0	0	0
OBC	Male	237	369	374	481
	Female	144	209	237	279
	Others	0	0	0	0
General	Male	98	121	129	143
	Female	85	89	124	128
	Others	0	0	0	0
Others	Male	36	35	39	40
	Female	6	15	12	12
	Others	0	0	0	0
Total		820	1104	1225	1411

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Computer Science And Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Master In Business Administration	View Document
Mechanical Engineering	View Document

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	14	15	15	13
File Description			Document	
Institutional Data in Prescribed Format			View Document	

2 Students

2.1

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4097	4210	4108	3630	3028
File Description			Document	
Institutional Data in Prescribed Format			View Document	

2.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
991	516	871	930	655
File Description			Document	
Institutional Data in Prescribed Format			View Document	

2.3

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3927	3681	4000	3745	2999
File Description			Document	
Institutional Data in Prescribed Format			View Document	

2.4

Number of revaluation applications year-wise during the last 5 years

2017-18	2016-17	2015-16	2014-15	2013-14
372	451	298	490	540

3 Teachers

3.1

Number of courses in all programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
421	542	532	485	417
File Description			Document	
Institutional Data in Prescribed Format			View Document	

3.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
316	396	373	288	277
File Description			Document	
Institutional Data in Prescribed Format			View Document	

3.3

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
369	396	373	288	277
File Description			Document	
Institutional Data in Prescribed Format			View Document	

4 Institution

4.1

Number of eligible applications received for admissions to all the programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
820	1104	1225	1411	822
File Description			Document	
Institutional Data in Prescribed Format			View Document	

4.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
505	591	643	694	551
File Description			Document	
Institutional Data in Prescribed Format			View Document	

4.3

Total number of classrooms and seminar halls

Response: 86

4.4

Total number of computers in the campus for academic purpose

Response: 1254

4.5

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

2017-18	2016-17	2015-16	2014-15	2013-14
2802.72	2454.27	1398.63	883.25	1257.52

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Response:

Vaagdevi college of engineering (VCE) aims at academic excellence through innovative curriculum, content delivery and assessment. The institute has conferred autonomy in the year 2014 from University Grants Commission (UGC). Until 2013-14 academic year, Institution followed the curriculum of Jawaharlal Nehru Technological University, Hyderabad. With the autonomous status conferred by the UGC in the year 2014-15, a revised curriculum is implemented, both for UG and PG programs (B.Tech, M.Tech and MBA) for the students admitted from A.Y. 2014-15.

The autonomous curriculum, scheme of instructions, syllabus are designed keeping in mind the basic student graduate skills, industrial needs, local demand and in view of global needs and current technology courses. The gaps prevalent there during the University curriculum were arrested and minimized in the present curriculum.

Curricula developed for UG and PG programs are in line with Program Outcomes and Program

Educational Objectives, which are in consonance with the Vision and Mission of the Institute. 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.**

Credit Distribution of higher level institution from india, AICTE, JNUTH institutions choice based credit system (CBCS) regulations, graduate attributes of NBA are considered to design overall curriculum framework and assign credits for the curricular components.

The curriculum is designed very carefully after conducting a series of review meetings with all the stakeholders, teachers, employers and alumni. This was discussed and presented in the departmental staff meetings and departmental curricular committee. The views are then presented to the board of studies,

which will inturn submit them to the curricular advisory committee for its approval. This process is common for every revision. The latest and trending technologies introduced as program electives. Students are encouraged and facilitated to do certification course to build their hands-on skills.

Besides the university reforms, the necessary steps are also taken by the institute to train the students by delivering the contents beyond the syllabus, inviting experts form industry/reputed institutions, conducting industrial tours, organizing orientation programs, skill development programs etc.

Nevertheless, the learning objectives including Program Outcomes (POs), Program Specific Outcomes (PSO's) and Course Outcomes (COs) of all the programs offered by the Institution *are provided on website*. The syllabus is framed by our University and however being autonomous we have liberty to make changes therein to some extent to be current and relevant to the society keeping in view the developmental needs and employability.

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 22

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 22

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 100

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
421	542	532	485	417

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>Response: 30.18</p>	
<p>1.2.1.1 How many new courses are introduced within the last five years</p> <p>Response: 290</p>	
<p>1.2.1.2 Number of courses offered by the institution across all programs during the last five years</p> <p>Response: 961</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

<p>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</p> <p>Response: 100</p>	
<p>1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.</p> <p>Response: 8</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

1.3 Curriculum Enrichment

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

Response:

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 on the above topics as a part of curriculum.

As the College is accorded Autonomous status and also follows affiliating university curriculum, which include most of the aspects namely Professional Ethics and Moral Values in III Year and Environmental Studies, and Gender Sensitization in II Year. Also College imparts training as a part of curriculum, without grading system, employability skills viz., CRT programmes, English language, and others such as:

A9014	Environmental Studies
A9020	Personality Development & Soft Skills*
A9019	Gender Sensitization*
A9621	Managerial Economics & Financial Analysis
A9021	Advanced English Language and Communication Skills Lab
A9018	`Logical Reasoning and Quantitative Aptitude*
A9624	Entrepreneurship Development
A9022	Human Values & Professional Ethics
A9218	Renewable Energy Sources
A9137	Solid Waste Management
A91002	Technical Communication Skills Lab
A96105	Disaster Management
A96503	e-commerce
A9122	Air Pollution and Control
A9626	Intellectual Property Rights

As far as Professional Ethics are concerned, they are available on our website and within the reach of our

faculty members and students as well. Further we conduct Traditional Day celebrations, wherein eminent speakers will deliver lectures on the need of ethics in profession and personal lives. Charity activities are regular phenomena in our College with 'Cheyuta' and 'Abhaya' under the aegis of which students conduct various programmes.

There are various committees which will conduct programmes **on the said cross-cutting issues** in the real world activity

Anti- Ragging Committee:

As per the guidelines of UGC, AICTE and the University, an Anti- Ragging Committee has been constituted to handle the issues pertaining to ragging.

Discipline Committee:

This committee plays a vibrant role in the maintenance of discipline of the complete campus. This committee formed by Physical Directors and three faculty members from each department. The Committee's responsibilities include:

1. Class level, Department level and College level discipline
2. Tutoring of students in batches of 15 students
3. Interaction with state officials
4. Arranging of personality development programmes
5. Social activities to improve relations
6. Lectures by eminent people
7. Leadership quality education.
8. Educating hygiene related problems
9. Educating about gender equality

Women Protection Cell

- ◆ Students participation at- Class level -Department level, and -College level

Anti-Drug Committee

This committee formed by having representative member one from each department and organizes lectures to educate the the students regarding the evil effects of drugs.

In addition to these the institute conducts various general awareness programs among students

1. Voter's Day Programme
2. Blood Donation Programmes
3. Swach Bharath
4. NCC
5. NSS
6. Health Awareness Programmes
7. Law & Order awareness programmes
8. Traffic Rules awareness programmes

9.Tree Plantation (on national high ways, colleges)

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 141

1.3.2.1 Number of value-added courses are added within the last five years

Response: 141

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 68.55

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3117	2122	3032	2256	2432

1.3.4 Percentage of students undertaking field projects / internships

Response: 52.72

1.3.4.1 Number of students undertaking field projects or internships

Response: 2161

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise**Response:** A. Any 4 of 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	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:**Response:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.03

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	0	3	1	0

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Demand Ratio(Average of last five years)

Response: 123:169

2.1.2.1 Number of seats available year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1278	1494	1626	1626	1290

File Description	Document
Demand Ratio (Average of Last five years)	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 81.39

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

2017-18	2016-17	2015-16	2014-15	2013-14
348	519	560	603	420

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, after admission and organises special programs for advanced learners and slow learners

Response:

Students enter Engineering courses from three different school streams viz., State board (Telugu and English medium), CBSE and ICSE. Their level of knowledge in key subjects and their assessment in school also varies widely. So the gaps in the entry level due to the above are bridged before the commencement of the first year classes by conducting an orientation programme in the key subjects. On identifying the weaknesses and strengths of the students, in the early days of their admission into B.Tech. I-Year – especially during the orientation/induction programmes - we put conscious effort to make sections of the classes with a good cross-section of the weak and strong students to make a balance, which has been giving good results. Efforts are also made to know their innate talents vis-à-vis socialization processes to estimate the students, and accordingly tailor-made programs are evolved to help improve their standards.

In addition to the curriculum, provisions are also provided for the students to give additional training like Professional Development Programme, Communication Skills and Soft Skills Programme, Expert Lectures from Industry/ Institution, Symposium, Industrial Training, Industrial Visits, Inter Departmental Seminars etc. To bridge these gaps, slots are provided for above activities in the time-table itself in every semester. (*Academic Calendar of each semester*).

During their studies in Second and Third Year level, the students are encouraged to participate in Workshops, Conferences, Seminars, etc which are held in their own department and other departments of the College(s). We strongly believe and this is our experience that the students are well exposed to the various topics of the engineering subjects on the one hand and become confident to express and expose their knowledge to the technical community verbally and in writing as well. In fact, the laboratory/practical classes are a place where the students understanding levels of technical and verbal knowledge could be assessed. Laboratory classes are also indicative of their personal traits of friendliness and working-with-others in group are known. Here they are identified and efforts are put in as they may be requiring correcting them to be ideal side exhorting, entrusting the work they have to perform in the laboratory and suggesting improvements.

File Description	Document
link for additional information	View Document

2.2.2 Student - Full time teacher ratio	
Response: 12.97	
2.2.3 Percentage of differently abled students (Divyangjan) on rolls	
Response: 0	
2.2.3.1 Number of differently abled students on rolls	
File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

<p>2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences</p> <p>Response:</p> <p>Most of our teachers today apply the student–centered approach to promote interest, analytical research, critical thinking and enjoyment among students to enhance our role in shaping architectural education, and to improve the quality of the education.</p> <p>The Participatory learning environment can also refer to specific forms of advanced learning techniques that are based on both situated and constructionist principles.</p> <ul style="list-style-type: none"> ♦ Lecture method and Interactive learning: <p>The faculty use chalk and board and audio visual aids in class room teaching.</p> <ul style="list-style-type: none"> ♦ Project-based learning: <p>Many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel. Over 50% of the final year B.Tech. and M.Tech. projects are industry based real time projects.</p> <ul style="list-style-type: none"> ♦ Computer-assisted learning: <p>The College has over 1150 computers, 58 printers 80 application softwares and 24 system software/languages costing .These are effectively used for teaching. Some of the B.Tech courses are ICT enabled.</p>

♦ **Audio-Video classes:**

All the departments of the college have enough *number of class rooms* with audio and video facility. The college, as a policy, has planned to convert all its class rooms into audio and video facility in a phased manner.

♦ **Experiential learning**

Experiential learning is a process of learning through experience. Experiential learning considers the individual learning process. A group of students are allotted to a faculty member who looks after them and nurtures them with his/her experience in industry or academic level.

♦ **Experimental learning:**

Experimental learning is a process of learning through experience. Students study 2 to 3 laboratory courses per semester from 1st to 7th semester where they are exposed to the prescribed problems and conduct the experiments on their own under the supervision of teachers.

♦ **Collaborative learning:**

Collaborative learning is an approach to teaching and learning that involves groups of students working together to solve a problem, complete a task, or create a product during this interactions. Senior students conduct workshops and expo's for their juniors as peer learning improves the skills.

Technical Societies and Student chapters of National/International Associations are active and students are encouraged to present technical papers at National/ International Conferences.

Alumni meetings are arranged once in a year. They also motivate the students to excel in their future endeavors.

♦ **Seminars:**

3-8 guest lecturers in a year by eminent people from Industry, Academic and Research Institutions are arranged by each Department. Students are motivated to give seminars on their interested topics in regular classes as well as in normal association activities. During this period students give seminars on technical topics.

♦ **Other Methods:**

There are many different problem-solving steps and methods, but the one we generally teach our students is:

1. Identify and define the problem.
2. Analyze the problem; frame its scope and significance.
3. Identify or formulate possible solutions.

4. Evaluate the strengths and limitations of those solutions.

5. Select and defend the best solution.

It is important to think through all aspects of the problem before even considering solutions, because doing so will cloud your true understanding of the problem.

File Description	Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 0

2.3.2.1 Number of teachers using ICT

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 576:43

2.3.3.1 Number of mentors

Response: 306

File Description	Document
Any additional information	View Document

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution

Response:

A staff meeting is called every year and the faculty members are asked to express freely their opinion about the academic and other activities that took place last year, and make suggestions to improve on any front in the coming academic year. On the last working day, before going to summer vacation after considering the inputs and the feasibility, a draft Academic Calendar is prepared for the commencing academic year.

Care is taken to include curricular, co-curricular, extension and outreach programmes and Academic Fests, games & sports, cultural events and competitions, Etc., in different Semesters at identified slots.

The Heads of the departments make allotment of theory and laboratory subjects to the teachers two weeks before the commencement of the session. Teachers are asked to prepare the Teaching Plans/Lecture schedules clearly indicating the dates and topics to be covered. When one or more teachers are handling same subject to various sections and /or branches they sit together and prepare the lecture schedule. Copy of lecture schedules are submitted to the Heads of departments for further circulation in the classrooms for the students to make note of it. Three weeks after the commencement of the class work, first Class Review Committee (CRC) meeting and three weeks after the first mid semester exam, a second CRC meeting will be conducted with all the teachers handling subjects for the particular class along with the student representatives to ascertain the coverage of syllabus as per the lecture schedule. Students' view on the coverage of syllabus is given due weightage. If a particular teacher is unable to complete the syllabus, he/she is instructed / directed to take extra classes to complete the syllabus.

Under any circumstances all the teachers are supposed to complete the syllabus one week before the commencement of end-semester examinations positively. By all means, the almanac and the events as mentioned in the academic calendar are adhered to.

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 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 8.09

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
43	23	21	25	24

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years											
Response: 5.55											
2.4.3.1 Total experience of full-time teachers											
Response: 2049.5											
2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years											
Response: 0											
2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years											
<table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14							
0	0	0	0	0							
File Description	Document										
Institutional data in prescribed format	View Document										

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years											
Response: 5.28											
2.4.5.1 Number of full time teachers from other states year-wise during the last five years											
<table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>43</td> <td>20</td> <td>10</td> <td>5</td> </tr> </tbody> </table>		2017-18	2016-17	2015-16	2014-15	2013-14	18	43	20	10	5
2017-18	2016-17	2015-16	2014-15	2013-14							
18	43	20	10	5							
File Description	Document										
List of full time teachers from other state and state from which qualifying degree was obtained	View Document										

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 28

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
19	23	37	26	35

File Description

Document

List of programs and date of last semester and date of declaration of result

[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 3.59

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
37	21	10	0	0

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

IT Role in Exam:

- ◆ Student enrollment is done through online application using BEES software
- ◆ Hall tickets are generated in the examination section automatically as per the regulations
- ◆ Fee will be prescribed automatically according to the subjects registered by the student.
- ◆ OMR sheets are automatically generated containing all the details of the student date-wise, subject-wise and regulation-wise.
- ◆ Coding and decoding is performed through barcode.
- ◆ Paper setters send the question papers through e-mail to our confidential mail address.
- ◆ The entire exam branch and all invigilation rooms are under CCTV surveillance.

B.Tech. Evaluation Scheme:

- i. The Performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for theory and practical subject. In addition, Industry oriented mini-project, seminar, comprehensive viva-voce and project work shall be evaluated for 100, 100, 100 and 200 marks, respectively.
- ii. For Theory and practical subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.

M.Tech. Evaluation Scheme:

The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practicals, on the basis of Internal Evaluation and End-Semester Examination.

1. For the theory subjects, 60 marks shall be evaluated based on the performance in the End Semester Examination, and 40 marks shall be evaluated based on the Internal Evaluation
2. For practical subjects, 60 marks shall be evaluated based on the performance in the End Semester Examinations and 40 marks shall be evaluated based on the day-to-day performance as Internal Marks.

M.B.A. Evaluation Scheme:

The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for Theory, and 100 marks for each Laboratory, and 100 marks for each Seminar, and 100 marks for each Comprehensive Viva-voce *in all semesters*.

1. **Theory:** The performance of the candidate in each theory subject shall be evaluated for a maximum of 100 marks. The internal evaluation shall be for a maximum of 40 marks and the end-semester evaluation shall be for a maximum of 60 marks.
2. **Laboratory:** The performance of the candidate in each laboratory course shall be evaluated for a

maximum of 100 marks. The internal evaluation shall be for a maximum of 40 marks, and the end semester evaluation shall be for a maximum of 60 marks.

There is complete transparency in the internal assessment. The best of two mid exams, and weightage will be given to assignments. Measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance.

- ◆ Since the institution is free to frame the syllabus and evaluation, the evaluation reforms in compliance with the affiliating university are followed in the best of the spirit.
- ◆ Evaluation will be made clear to the students on request/demand.
- ◆ All records are maintained i.e. answer sheets, award lists etc. mid tests are taken and records are maintained.
- ◆ The student's performance/awards are shown to the students to encourage them.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual

Response: C. Only student registration and result processing

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Annual reports of examination including the present status of automation	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Program Outcomes and Program Specific Outcomes are defined as prescribed by NBA for all academic programs and the course outcomes are clearly defined using Blooms Taxonomy for all the courses of the institute. They are aligned in a proper manner to achieve our short term, long term goals and finally, the mission of the institute. The outcomes are defined with utmost care as follows:

- ♦ Active verbs stated by Blooms taxonomy are used for defining outcomes.
- ♦ These verbs are clearly elaborated as sentences that describe the students' ability, competencies, knowledge and their skills that are acquired by them during their program.
- ♦ The learning resources that are adopted for effective course delivery is in consonance with the outcomes to be achieved.
- ♦ The outcomes are frequently assessed and evaluated to identify the accomplishment of goals.
- ♦ An assessment plan for outcomes is defined to determine the extent to which the outcomes are being achieved.
- ♦ Direct and Indirect assessment tools are used to calculate the attainment of outcomes and proper action plan is laid during the delivery of course of a particular program in the curriculum.

Communication Mechanism:

- ♦ Program Educational Objectives, Program Outcomes, Program Specific Outcomes and Course Outcomes are made available to all the students and faculty through various modes viz., College Website, Syllabus copies, lesson / session plans, laboratories and corridors of the buildings.
- ♦ The various objectives and outcomes are also stated in various events such as Orientation Program of students, Faculty development programs, Workshops and other techno-cultural events.
- ♦ Faculty is also instructed to handover the lesson plans and explain the outcomes clearly in their very first hour of their class for all the courses.

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The institution has a well-defined and systematic process of collecting and evaluating the data on outcomes. There are specific guidelines prescribed by NBA and are followed in calculating the attainment of the outcomes. These outcomes are calculated based on direct and indirect assessment tools.

- ♦ Attainment of Course Outcomes is calculated from direct assessment i.e. from Internal Exams, External or University Exams, Assignments, Project reports and laboratories.
- ♦ There is a mapping between COs with POs and PSOs. Based on the contribution, the direct attainment of POs and PSOs are calculated.
- ♦ There are Indirect assessment methods to calculate the attainment of POs and certain rubrics are formed to calculate the overall attainment of POs.
- ♦ Few of the indirect assessment tools are Student feedback system, Professional body memberships and participation in such activities viz., co-curricular and extra-curricular activities, placements, life-long learning achievements and social responsibilities.
- ♦ Indirect assessment also depends on the facilities that we provide to the students in the form of teaching faculty, laboratory facilities, infrastructure, department and central library facilities.
- ♦ In order to achieve the mission and objectives of the institute, faculty members are also assessed periodically and the institute encourages the faculty to participate in FDPs, workshops, seminars, conferences and research activities. Faculty plays a major role in achieving the outcomes. They also properly mentor the students and provide course files and conduct various events to achieve the program outcomes.

The institution assessment committee will conduct a meeting every year to ensure whether the students have achieved their desired goals and the data collected from various tools is documented and evaluated in order to improve the student learning process. Based on the final attainment results, the gaps are identified to fulfil the desired target and also propose an enhanced action plan for the next academic year.

2.6.3 Average pass percentage of Students

Response: 80.18

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 991

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 1236

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.35

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 0.52

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.85	1.05	0.72	0	0

File Description	Document
List of teachers receiving grant and details of grant received	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 0

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research / Statistical Databases

Response: B. Three of the facilities exist

File Description	Document
Institutional data in prescribed format	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 23.98

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
19.79	4.19	0	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Response: 0

3.2.2.1 Number of research centres recognised by University and National/ International Bodies	
File Description	Document
Names of research centres	View Document
Any additional information	View Document

3.2.3 Percentage of teachers recognised as research guides	
Response: 1.27	
3.2.3.1 Number of teachers recognised as research guides	
Response: 7	
3.2.3.2 Number of full time teachers worked in the institution during the last 5 years	
Response: 550	
File Description	Document
Details of teachers recognized as research guide	View Document

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year	
Response: 0.03	
3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years	
Response: 3	
File Description	Document
Supporting document from Funding Agency	View Document
link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other 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, Dean R & D, Coordinator, Members HoDs, Ex-Officio Members.

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.

Impact of Recommendations:

- ◆ The college is also preparing for NAAC Accreditation
- ◆ The college provides in house R & D grant every year to the departments. Principal investigators, who obtained projects from various organizations, are provided with necessary infrastructural facility and autonomy.
- ◆ Existing laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- ◆ The institute has provided motivational incentives to the faculty who involve in acquiring Ph.Ds, in getting projects from external agencies and publish papers.
- ◆ The college deputed faculty to present papers at various national and international conferences.

Inter-disciplinary collaboration

Efforts are being made to have collaborative research facilities in the college campus. Infrastructure useful to research exists in the college.

The faculty is in contact with IIT, Hyderabad, JNTU, Hyderabad, and NIT, Warangal. Attempt is on to have a memorandum of understanding with these organizations. Institute shall apply to AICTE, DST, CSIR and UGC for providing research grants to the faculty as well as to the students.

The facilities to be named are Digital Library and NPTEL Video Center to cater needs of researchers.

1. Library Physical Facilities:

E-Journals: GIST-IEEE, Wiley Black well, Elsevier Science Direct, Mc-Graw Hill Access Engineering, ASME (Mech), ASTM Digital Library, J-Gate Engineering, J-Gate Management, EBSCO Management, DELNET, INFLIBNET.

NPTEL Video Lessons: 614 (Video-299 and Web-315) NPTEL resources provided by the ministry of Human Resources Development in collaboration with IIT, Madras are available. The lectures are intended to provide on-line access to prerecorded class room sessions on many technological subjects for faculty and graduate Engineering students.

File Description	Document
link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 60

3.3.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
17	14	12	8	9

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

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 17

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	6	1	1	1

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 3

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	0	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document
e- sanction order of the Institution for the start ups on campus	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: No

3.4.3 Number of Patents published/awarded during the last five years

Response: 4

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	0	0	2	0

File Description	Document
List of patents and year it was awarded	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 1.57

3.4.4.1 How many Ph.Ds are registered within last 5 years

Response: 11

3.4.4.2 Total number of teachers recognised as guides during the last 5 years

Response: 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

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

Response: 0.42

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
40	38	24	13	22

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

3.4.6 Number of books and chapters in edited volumes / books published, and papers in

national/international conference-proceedings per teacher during the last five years**Response:** 0.34

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

2017-18	2016-17	2015-16	2014-15	2013-14
12	35	29	18	18

File Description**Document**

List books and chapters in edited volumes / books published

[View Document](#)**3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed****Response:** 2.83**File Description****Document**

Bibliometrics of the publications during the last five years

[View Document](#)**3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution****Response:** 9**File Description****Document**

Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution

[View Document](#)**3.5 Consultancy****3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual****Response:** Yes

File Description	Document
Soft copy of the Consultancy Policy	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Response: 0

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of consultants and revenue generated by them	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 0

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of teacher consultants and revenue generated by them	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The College has been sensitizing the students and faculty on Institutional Social Responsibilities

through National Services Scheme (NSS). The affiliating University JNTU, Hyderabad is partially financing the activities NSS unit of the college. There are more than 450 Students Voluntaries in NSS Unit. The following activities are under taken by the students and faculty of the College.

1. Program on personality development by Lead India.
2. Programme on Computer Education.
3. Introduction to higher education to the students of nearby Village.
4. Student Members of NSS unit of college actively participate in blood donation camps, AIDS awareness programme, and environmental awareness programme and educate the community of nearby villages about their importance.

The College encourage the students to join NSS and NCC activities in the College. At present there are more than 450 student volunteers in NSS and there are 97 NCC Cadets.

National Service Scheme (NSS):

NSS unit of Vagdevi College of Engineering, Warangal is very active.

The students actively participate in blood donation camps, AIDS awareness programme, and environmental awareness programme under the supervision of the NSS Programme Officer. **Sri. P.Prasad, Asst. Professor, Department of BSH.** The **Swachha Bharat** campaign many localities have been cleaned/cleansed to inculcate the cleanliness among the general public. This has been taken up on priority basis by the NSS Unit. Further, during the rainy seasons, plantation of saplings have been taken up in a big way not only in the campus but also on the sides of thoroughfares with the active cooperation of the local forest department officers.

◆ NCC Activities:

NCC wing was formed in November, 2010 with 45 NCC cadets. The present strength is 94 Out of them 27 are girl cadets and 70 boys cadets. NCC cadets take active part in ceremonial functions such as College Day Celebrations while receiving the Chief Guest. During Independent Day and Republic day celebrations they present Guard of Honour. **NCC-Coordinator: Sri. B. Prashanth, Asst. Professor, Department of CSE.**

Extension work is undertaken to ensure social justice and empower students from underprivileged and vulnerable sections of society:

The following activities are under taken by the students and faculty of the College.

- ◆ Voter ID Registration during the recent elections (20-12-2013&23-12-2013).
- ◆ Blood Donation Camps on 14-08-2008, 15-10-2009, 08-01-2011&15-02-2012.
- ◆ Web Casting of Gram Panchayath Elections.

The officials of Warangal district and University NSS coordinator appreciated the NSS work carried out by the students and faculty of the College.

Outreach activities and contribution to the community development. The initiatives of the College which have encouraged community participation in its activities are-

- ♦ The college conducts several awareness programs to encourage community participation. Some of such programs are:
- ♦ Awareness programs about ill effects of alcohol drinking and chewing Tobacco, Guttka, and taking Drugs.
- ♦ Awareness about use of condoms against AIDS.

The College has NSS and NCC units to track the students and their involvement in social activities which in turn promote citizenship roles. Our students have also taken up social service activities under the aegis of Cheyutha, Abhaya and funded to Orphanages & AIDS patients.

File Description	Document
link for additional information	View Document

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 70

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

2017-18	2016-17	2015-16	2014-15	2013-14
17	13	13	11	16

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 26.62

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1000	1000	1000	1000	1000

File Description	Document
Average percentage of students participating in extension activities with Government or NGO etc	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 3.6

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	6	6	0	0

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 1213

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
559	308	147	99	100

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 33

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
17	9	5	1	1

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	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 facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

Adequate infrastructure facilities are the key for effective and efficient conduct of the educational programmes. The supporting facilities in the campus are developed to contribute for an effective ambience in curricular, co-curricular and administrative activities.

As per the physical infrastructure requirements of the next academic year, an annual plan for construction of additional buildings and infrastructure is prepared every year. The HODs will submit their budget estimations for the next year. After Board of Governors meetings, budget allocations will be intimated to the departments concerned. Adequate budget is allotted each year to ensure that the planned infrastructure is in place before the start of the new academic year which facilitates effective teaching and learning. The Vaagdevi College of Engineering has Sprawling area of **26.09 acres** of land. The built-up area is of **40967.95 Sqm. (372808.4 Sft.)**. The Academic blocks consist of Conference Hall, Seminar Halls, Drawing Halls, Class Rooms, Central Library, Department Libraries, Examination section. The college is designed by one of India's Leading Architects from Hyderabad and Warangal. All departments and all PG class rooms are provided with LCDs, Computing Facility.

The available infrastructure is utilized optimally in the following aspects. The class rooms are used for conducting classes during working hours and also for tutorial and remedial Classes.

- ◆ The central library is open up to 7.00 pm.
- ◆ Apart from central library, each department has utility based departmental library.
- ◆ Each department has separate classrooms, HOD room, meeting room and department library.
- ◆ All the departments have well-furnished separate cabins for the faculty members with the atmosphere conducive for regular interaction with the students who come for counselling, guidance and clarifications.
- ◆ Internet facility is available in the faculty cabins with LAN connections, in addition to the Wi-Fi enabled for all the campuses.
- ◆ The students can access the internet in the computation centre as well as the Wi-Fi available in all the campuses.
- ◆ A number of Seminar halls are available which are used for conducting guest lectures, conferences and symposiums.
- ◆ Separate Examination cell, Accounts Section and Placement cells are available.
- ◆ Separate workshop, carpentry section and Engineering drawing halls are available.
- ◆ Best computing facilities in the ratio about 1:3 are arranged to students for academic purpose.

Workshops and Laboratories:

- ◆ Laboratories with state-of-the-art equipment
- ◆ Adequate space to meet the AICTE norms
- ◆ Availability of laboratory manuals

- ◆ Availability of qualified and skilled lab assistants.

Seminar Halls and Conference Hall:

- ◆ Four Air-Conditioned Seminar Halls of seating capacity 150 Students, provided with LCD Projector, OHP and Audio System.
- ◆ An Air-Conditioned Conference Hall is available for Staff Meetings/Board Meetings.
- ◆ An Open –Air Theater for out-door gatherings.

The following facilities are available for teaching & learning

S.No	Facilities	Number
1	Class Rooms	58
2	Tutorial and ICT Rooms	22
3	Women students rooms	03
4	Drawing Halls	03
5	Library	01
6	Research Laboratories	03
7	Laboratories in the Departments	78
8	Auditorium	01
9	Seminar Halls	06
10	Workshops	02
11	Computer Centre	02
12	Language Lab	01
13	Equipment for Teaching & Learning	LCDs, NPTEL & e-Library

File Description	Document
Link for Additional Information	View Document

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

Response:

There are sufficient numbers of atriums, conference halls, auditoriums, amphitheatres for organising cultural, literary and indoor sports events.

- ◆ The whole campus is equipped with facilities such as elevators (lifts), washrooms for differently-abled students/staff.
- ◆ Each floor is facilitated with water purifier/cooler for students/staff members.
- ◆ Each campus has separate common rooms for boys and girls. These rooms are facilitated with indoor games such as table tennis, carroms, etc.
- ◆ The college has a health centre with qualified healthcare coordinator.
- ◆ Separate Hostels for boys and girls.

- ♦ Campus is under the surveillance of CCTV cameras.

Games & Sports Activities

Participation in Games & Sports is mandatory for all the B. Tech students. The Institute encourages the students to take part in Inter-collegiate, District and Inter University Tournaments. The department organizes intra-departmental competitions in various games and sports for boys and girls.

S. No	Name of the court	Numbers
1	400 Mts. Athletic Track	1
2	Cricket Fields	2
3	Volley Ball	2
4	Ball Badminton	1
5	Tennikoit	2
6	Kabaddi	2
7	Table Tennis	4
8	Carrom Boards	10
9	Chess Boards	20
10	Lawn Tennis	1
11	Basket Ball	2
12	Foot Ball	1
13	Hockey	1
14	Badminton (Outdoor)	2
15	Multiple Gym	1
16	Hand Ball	1
17	Long Jump Pit	1
18	Throw Ball	1
19	Judo Hall	1
20	Yoga Hall	1
21	Staff Recreation Hall	1
22	Soft Ball	1
23	Multi Purpose Play Area	1

Recreational facilities, gymnasium, yoga center, etc. :

Indoor Gymnasium is available.

Broadband connectivity /Wi-Fi facility :

Internet facility is provided with Wi-Fi technology.

Facilities for medical emergencies :

The College maintains a medical centre for routine tests with a male doctor and a lady doctor visiting the college. In emergency, the patient is taken to the nearest multi specialty hospital in Warangal city.

Library facility in the hostels: -

For students, the main library is open from 8.30 am to 7.00pm on all working days.

Security: -

24 hours security is provided with well recognized security authority to the college and Hostels.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 17.44

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 15

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 0

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

We have introduced the CAMS software developed locally customized suitably to meet the needs of the library from the year 2016-17, which has been successfully utilised by the clintele. The software has been developed using the ASP.NET. As far as automation is concerned, we could do it partially, and efforts are on to fully automise the library, up till the year 2015-2016, the library was maintained manually.

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 established a Digital Library in the year 2013 with adequate Systems in a separate Hall to provide access to Internet E-Resources.

Library ensures relevant books 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
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

The Library makes all efforts to acquire useful books including rare books, reports, thesis, and other knowledge resources to enrich its collection. Central Library was established in 1998 and has a collection of rare and hard to come by works on number of subjects along with modern first editions and decorative sets and bindings. The special collection in the library provides for research interests and subject specializations of students and faculties.

Like other holdings of the library, the collection of rare books also support and enhance the teaching learning process. The Special Collections include books which are first editions, highly priced books, proceedings, reports and Thesis.

Feedback from users is used for enrichment of the special collection. The feedback is analyzed for area of interest to procure rare or special books. Users can also submit their suggestions through general interaction, making an application, and through email. Students can also submit their suggestions etc during CR Meetings held monthly.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

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

Response: Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 6.99

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
5.84	0	22.32	5.28	1.52

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 0.79

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

Response: 35

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The head and senior faculty of each department of the College in consultation with the senior faculty of Computer Science and Engineering department finalizes a comprehensive policy about the procurement of computers along with its operating software and application software to provide comprehensive information security / risk management and software asset management.

- ◆ Computer systems are upgraded with latest configuration whenever need arises.
- ◆ Individual up gradation of the computers is taken up as per the need and requirements of the various departments.
- ◆ Enough provision is made available in the annual budgets for the procurement of the computer systems.
- ◆ Once new systems are procured, they replace with the existing systems as per the requirements of the departments.
- ◆ All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff.
- ◆ The trouble/problems experienced by the computers in the various laboratories are entered by the laboratory programmers/technicians in the complaint register which is kept in the central office.
- ◆ The maintenance staff will then go to the respective laboratories for identification of the problems and resolves the same at the respective places.
- ◆ Internet at a speed of 0.3 GBPS access for internet browsing requirements. The entire campus is WI-Fi enabled.
- ◆ The college is connected to network, which provides access to a large number of libraries, online lectures, NPTEL/MOOCs, archived lectures of various IITs, virtual classrooms and many more facilities available.
- ◆ Language labs with student consoles and language lab software and digitized audio and video material to develop interactive language skills.

Total number of Systems	Computing facilities (i.e., hardware and software.)	
1254	Processor: AMD Athlon™ 50 Processor 3.00GHz, RAM: 2GB, Hard Disk: 320GB, Monitor: 18.5'' HP Monitor (LED).	
Internet Facility		
Year	Service Provider	Internet Speed
2013-14	BSNL (Lease Line)	8 Mbps
2014-15	BSNL (Lease Line)	16 Mbps
2015-16	BSNL (Lease Line)	155 Mbps
	Reach	15 Mbps
	Total	170 Mbps
2016-17	BSNL (Lease Line)	280 Mbps
	Reach	50 Mbps
	Total	330 Mbps
2017-18	BSNL (Lease Line)	280 Mbps
	Reach	50 Mbps
	Total	330 Mbps
2018-19	BSNL (Lease Line)	155 Mbps
	Reach	50 Mbps
	Vaishnavi online service	100 Mbps
	Total	305 Mbps

File Description	Document
link for additional information	View Document

4.3.2 Student - Computer ratio	
Response: 219:67	
File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
Response: 250 MBPS	
File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)
--

Response: Yes	
File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years				
Response: 0				
4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)				
2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0
File Description		Document		
Details about assigned budget and expenditure on physical facilities and academic facilities		View Document		
Audited statements of accounts.		View Document		

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

Response:

The Institute has an *Estate Officer* under whose direction the maintenance of buildings, classrooms and laboratories are carried out. He works in association with a group of dedicated maintenance and supporting staff to ensure that the buildings, equipments, and all other infrastructural facilities of the college are continually kept in good condition. It is his responsibility to ensure the cleanliness of the facilities and the surroundings. The maintenance of the following facilities are taken care of by the estate officer.

Estate Officer

- ◆ Systems & Internet Maintenance
- ◆ Roads & Buildings
- ◆ Water Supply
- ◆ Electrical Supply

- ♦ Sanitary Maintenance
- ♦ Maintenance of Gardens
- ♦ Vehicle Parking
- ♦ Canteen
- ♦ Security
- ♦ Dispensary

For the maintenance of the equipment, the college has contracts with the hardware firms apart from some of the employees. The maintenance contracts help in the up-gradation of equipment. The above staff members interact with the departmental heads and the management and ensure fulfilment of further requirement whenever necessary.

Maintenance of equipment:

For the maintenance of the equipment and computers the college has contracts with the hardware firms. The maintenance contracts help in the up- gradation of equipment if desired.

Services:

The College outsources the services such as gardening, cleaning and washing of classrooms, laboratories, toilets, verandas and surroundings as may be required.

Campus security:

Campus Security is outsourced to a licensed security agency based at Warangal for 24 hours, round the clock in 3 shifts.

General Maintenance:

The Board of Governors allocate sufficient fund for infrastructure development:

- ♦ Annual maintenance and repair of the infrastructure are taken care by the college in a systematic manner. Day to day maintenance is carried out by the appointed staff for cleaning and maintenance of the building. The laboratory equipments are maintained through College Development Fund. The computers and electronic devices are maintained and repaired through the funds available in the institution.
- ♦ The estate officer coordinates the college and indoor facilities; he also oversees the maintenance of outdoor areas such as- playground, parking areas, lawns, gardens, etc.
- ♦ Various documents related to maintenance and purchase are available with estate officer.
- ♦ As a policy, faculty members, staff, lab assistants, drivers and other service personnel are given responsibility to maintain the equipments under their supervision and report to the Estate officer if additional maintenance assistance is required for those equipments.
- ♦ Any incident beyond the scope of SOP is reported to the estate officer, who assigns the task to a team of capable and dedicated maintenance personnel.
- ♦ For maintenance of equipment, computers, elevators, etc., the college has AMC with relevant agency.
- ♦ The college consists of over head tanks and bore wells at many places to provide constant supply of safe water.
- ♦ 20 kVA are installed in each of the computer Labs.

- ♦ Two Generators of Capacity 125 kVA and, 320 kVA with total power backup of 445 kVA are used in case of power failure.
- ♦ 3 Phase Power Supply of 1560 kVA from Telangana State Northern Power Distribution Company Limited (TSNPDCL) is provided.

File Description	Document
link for additional information	View Document



Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 66.76

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

2017-18	2016-17	2015-16	2014-15	2013-14
2198	2757	2813	2696	2183

File Description

Document

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

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 12.29

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
525	738	560	629	5

5.1.3 Number of capability enhancement and development schemes –

1. Guidance for competitive examinations
2. Career Counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and Meditation
8. Personal Counselling

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

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

Response: 27.09

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

2017-18	2016-17	2015-16	2014-15	2013-14
1206	1096	985	879	964

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

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances

including sexual harassment and ragging cases**Response:** Yes

File Description	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:** 30.68

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

2017-18	2016-17	2015-16	2014-15	2013-14
198	258	285	193	196

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)**Response:** 3.33

5.2.2.1 Number of outgoing students progressing to higher education

Response: 33

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations

during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 21.46

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

2017-18	2016-17	2015-16	2014-15	2013-14
54	44	52	46	33

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
150	220	280	270	210

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	View Document

5.3 Student Participation and Activities

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

Response: 48

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

2017-18	2016-17	2015-16	2014-15	2013-14
27	13	2	4	2

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

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Class Review Committee:

The Committee reviews the progress of coverage of syllabi in various subjects from time to time keeping in view the schedule prescribed in the almanac. It also reviews the progress of coverage of laboratory, syllabi & experiments. The Committee also looks into the student attendance, suggesting and implementing steps to overcome the shortage of attendance. Two Students from each department are inducted in the Class Review Committee.

Anti- Ragging Committee:

Ragging in any form inside or outside the college is banned and in order to have the peaceful atmosphere in and around the College, Canteen, Library and Hostels. An Anti-Ragging Committee with the faculty and students as members is constituted. College has taken various precautions as per AICTE / UGC Norms to prevent ragging and ensure 100% no-ragging.

Student Council: This council is responsible for all co-curricular and extra-curricular activities of the students. It has student representatives from all branches of the College.

Library Committee: This Committee oversees the library functioning and its resources. One student from each branch shall be a member on this Committee.

Educational Tours: This is to organize and oversee the arrangements for purposeful educational tours annually to the students. There is a Committee for each department under the guidance of a faculty member.

The committees endeavor to take advantage of every opportunity to create and sustain an environment that nurtures life in its fullness, for every member of its community and set it on the path of excellence. The college believes that progress is possible only with the involvement of all the stakeholders in the Institute- the students, the staff, the faculty and the management.

These committees include the representative body of students along with members from management, administration, faculty members and staff members, as may be desirable and required. The student body is

formed with the class representatives from every class. There are two representatives, one male and one female, who are elected or selected by the students of every class.

The Class Representatives take the leading role in all the day to day activities in the class. Any matter related to academics and administration is referred by the CRs to appropriate authority as and when it becomes necessary. The CRs are also the members of the training and placement cell of the college.

The CRs are also members of the disciplinary committee and other committees of the College. Thus, they, on behalf of the whole student community take part in the decision making.

All CRs are appointed as liaisons representatives for co-curricular and extra-curricular activities of the departments to play a decisive role in the planning and execution of the activities, which functions or operates under the guidance of faculty members as faculty advisor.

File Description	Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	4	4	4

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

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

Response:

The VCEAA (Vaagdevi College of Engineering Alumni Association) is a volunteer group working with Vaagdevi College of Engineering to enhance the **student** experience, connecting **students** with **alumni** to ignite opportunities that strengthen their bond with the college. The VCEAA organizes Formal Alumni Meets every year and such events enable Alumni to reunite with their friends and faculty members, revitalize their memories and share experiences of their past and present life. Alumni of this institution are spread across the globe in all public and private sectors and many of them are successful entrepreneurs.

Some of the broad objectives of VCEAA are:

- ◆ To provide a platform for meeting and exchange of new and innovative ideas among the alumni, present students, faculty members and other members of the Association.
- ◆ To strengthen Interaction with alumni and operate on activities for the benefit of the present students of the institute.
- ◆ To build a positive and continuing relationship with Alumni to facilitate greater collaboration for mutual well-being and progress.
- ◆ Regular alumni meets will help in receiving constant updates regarding current insights of changing industry needs, which in turn helps in tuning the final year students such that they meet the industry requirements.
- ◆ Alumni contributes in framing of course curriculum by communicating the ideas of changing needs of the industry and thus help in incorporating industry need in to the curriculum.
- ◆ The Alumni contacts help in providing the existing students with better job opportunities because their seniors can create a perfect platform in the corporate world with their knowledge and values.
- ◆ The institute reputation mostly relies on how successful their alumni are in the real world.
- ◆ Invited talks and guest lectures are organized by alumni which can have more impact on present students as they can see their future in them.
- ◆ Alumni are also engaged in student activities as facilitators and jury members.
- ◆ 20 meets have been organized during the last 5 years at an average of 4 per year.

File Description	Document
Link for Additional Information	View Document

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

Response: <2 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 20

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

Self Study Report of VAAGDEVI COLLEGE OF ENGINEERING

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	4	4	4

File Description	Document
Report of the event	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

The Principal is the Academic Head of the Institution and is aided by the Deans, Heads of the Departments, Finance Officer, Section Heads, and Chairpersons of other Committees. Internal Quality Assurance Cell (IQAC), Planning & Development, Academic Section, Examinations and Evaluation (EE), Research and Development (R&D), Mentoring, Training and Placement (T&P) Cell, and Other Sections do take part in the governance of the College. The Institute's Policies, Strategies, Resources, and, Quality Assurance cater to the needs of the Institute including Academics, Research, Innovation and Entrepreneurship, and Social Responsibility with an international Vision.

The Viswambhara Educational Society and, the Head of the Institution ensure liberal, democratic and barrier free management in such a fashion that the services and ideas of all the stakeholders do reflect for better achievement. The requirements and inputs in terms of monetary support to the Departments and Sections are identified by the Heads of the different Departments and they will be routed through the Finance Committee for its opinion and comments to the concerned Deans and the Principal. Accordingly, the proposals are presented to the Governing Council for its approval.

Faculty members' views and opinions are crucial in finalising curriculum design, 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 Vaagdevi, 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 – certain of them are statutory 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
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The service rules are formulated by the governing body of the Institution, in accordance with the provisions of AICTE norms, Govt. of Andhra Pradesh and JNTUH rules and regulations. The service rules are formulated and implemented since then in the Institution. The service rule book called “**Staff Service Rules**” comprises of the following heads under which the related rules are clearly defined.

1. Duties and Responsibilities of Academic Staff and Administrative Officers.

Profesor

Associate Professor

Assitant Professor

Training & Placement Officer

Administrative Officer

Librarian

Functions and Responsibilities of the Governing Body and other committees

Functions and Responsibilities of the Principal

Functions and Responsibilities of Head of the Department

Functions and Responsibilities of the Teaching and Non-Teaching Staff

Terms and Conditions of service of a permanent employee

Rules of conduct for the employees of the Institute

Classification, Control and Appeal Rules

- ◆ Leave Rules
- ◆ Travelling Allowance Rules
- ◆ Rules regarding the deputation of faculty members Under Quality Improvement Program and to

attend conferences, summer and winter schools etc.

The service rules book is available with the departments and Central Library and the information is disseminated among the faculty. The rules prescribed by the affiliating University, ie. Jawaharlal Nehru Technological University Hyderabad will be informed to the students from time to time through notices and also publishing in the institute's website.

Decentralization and Delegation of Power

The objectives of the practice are as follows:

To Decentralize and Delegate Powers.

To facilitate faster decision making related to academic and administrative activities at all levels.

To involve the members of the faculty and administration at different levels to bring in participation responsibilities with accountability and ownership.

To ensure transparency

To take prompt follow up actions

The college offers 5 B.Tech. and 17 Post Graduate programmes in various Engineering disciplines and an MBA programme. And, there are on its rolls around-4000 students, 400 teaching faculty and 120 nonteaching faculty members. Therefore, obviously, lot of administrative decisions have to be made on various issues. In order to facilitate the decision-making related to academic and administrative activities faster and to ensure complete transparency, various decentralization strategies have been practiced as noted below.

An executive committee consisting of the Managing Trustee, Director (Academics) and the Principal has been constituted to decide on certain policy matters. This committee meets once in a month to review the progress in academic, research, placement etc. Apart from this Executive Committee, the institution has got various other committees like- Discipline and Welfare Committee, Complaints cum Redressal Committee, Women Empowerment Cell, Grievance Redressal Committee etc., to take the decisions at the right time.

Evidence of Success:

Delegation of financial powers to the Head of the Institution and the Heads of the

Departments

Preparation and approval of the budgets for various activities

Establishments of industry sponsored laboratories

Enhancement in the number of funded projects from Government agencies

However, certain problems have also been encountered and Resources Required are identified as follows:

Orientation of delegation and appropriate exercising of delegation to the Heads of the Departments.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

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 syllabi, employment, infrastructure and future demands.

- ◆ Updation of syllabi from time to time keeping in view the emerging areas in engineering and, technology;
- ◆ Training and practical exposure to the students in the pertinent areas of their study, and skill development, and communicative techniques;
- ◆ 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;
- ◆ Attracting the employers for arranging gainful employment to the students through campus interviews;

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 is made a provision to make payment as seed money, if the department does not have any amount.

The main issues dealt within the developmental plans are:

- 1.the courses of study to be initiated in a phased manner - attention being given to their relevance, their focus on felt needs of society and the market, their capacity to mould dependable human beings/students;
- 2.the community impact and commitment to transform society;
- 3.human resource development through targeted action at recruitment, in-service training, professional enrichment opportunities, and an enlightened employee service manual etc; and,
- 4.Internationalization - exploiting the experience and reach of Vaagdevi institutions to create a network of institutional collaborations.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

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.

The *administrative manual* has clearly stated the roles of top management, Director/Principal and faculty of the college.

◆ **Chairman of Board of Governors:**

- 1.The chairman shall ordinarily 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.
- 3.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
5. Present to Board of Governors.
6. 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.
7. He shall have power to sanction leave, vacation and permission to leave head-quarters.
8. He shall have power to depute faculty and other staff for STTPs, technical conferences & r 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
Link to Organogram of the Institution webpage	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

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

Response: Any 4 of the above

File Description	Document
Screen shots of user interfaces	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

There are some major cells constituted in the college and few of them are:

1. Entrepreneur Development.
2. Grievance Redressal
3. Women Protection
4. Student Mentoring and Counselling cell

An *Entrepreneur Development Cell* has been constituted in October 2011.

The objectives of the EDC are:

- ♦ To create greater awareness of opportunities and benefits of entrepreneurship among the students to make them realize their dream business through innovative products and to develop greater entrepreneurial culture within the institution.
- ♦ To create greater number of sustainable start-up business with potential for further growth.
- ♦ To create awareness among students on industrial opportunities and on the availability of financial assistance enabling them to start their own industrial ventures.

In the direction of achieving the objectives, the EDC has conducted over the years a number of Seminars/Conferences/Workshops/Training classes apart from social activities, industrial visits/spiritual sermons, etc. to bring awareness and inculcate interest and encourage to go forward with positive attitude and exposing them to practical difficulties and future opportunities and advantages. The efforts of the EDC were not futile but yielded good results. The testimony for the success, among other things, is the prospective employment of our students in MNCs. The members of alumni are well placed worldwide and

also established their own industrial organizations. Another proof of the success of the EDP cell was the establishment of an incubation centre inside the college campus.

Grievance Redressal Cell:

The institute has a well defined ***grievance redressal*** procedure. Prompt and effective disposal of grievances of various stakeholders are being done. College constituted grievance and redressal committee with faculty as members and Administrative officer. The committee thoroughly discusses the grievances and suggests the solutions for redressing the grievances. The suggestions made are viewed by the Principal and he initiates suitable action.

The college has a ***women protection cell*** as well, which caters to the grievances and other needs of girl students. In this cell, there is representation for students and teachers, and a senior woman teacher will be the incharge for the cell. They will keep vigil and cautioning the girl students on the one hand, and inculcate gender sensitization among boy students also. This Committee works hand in hand with Committee for Gender Amity. Posters are displayed with regard to create a sense of security among girl students. Lectures with regard to legal aspects in protection of girls in the society are arranged. The Cell is on the fore-front and conducted a no. of processions, and raise voice against the atrocities and assaults on the woman-folk in the Society, and lent their helping hand to the aggrieved.

Student Mentoring and Counselling is a part of the teaching-learning process in our College. For every 15 students, one teacher-Mentor is appointed, and they maintain a record every-day with regard to the attendance or otherwise, performance in the examinations, their personal and other difficulties affecting their education, etc. And discuss the matters with concerned including parents, Principal, Management or other student groups, etc for solutions to resolve the problems.

File Description	Document
Link for 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 which will sharpen their teaching skills and enhance knowledge in their field of study. Certain amount is earmarked as Seed Money for this purpose.

The teaching staff are given certain amounts as loan without any interest, so as to enable them purchase laptops, which will be recovered in instalments. Even the staff are supported when they buy two-wheelers on case by case. They are also encouraged to take Health Insurance for themselves and for their family members.

1.EPF:

2. Transport facilities:

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

3. 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.

4. Leaves:

- ◆ Casual Leaves of 20 per year
- ◆ 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.
- ◆ Extra Ordinary Leave on Loss of Pay.

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.

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: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description

Document

Details of teachers provided with financial support to attend conferences, 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: 21.8

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

2017-18	2016-17	2015-16	2014-15	2013-14
24	24	23	19	19

File Description

Document

Reports of Academic Staff College or similar centers

[View Document](#)

Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff

[View Document](#)

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 46.94

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
200	180	190	110	102

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Performance Appraisal of the faculty is done with reward parameters to be considered for performance appraisal. In the prescribed Self Appraisal Format, the following items will appear which will give an overall picture of contributions made by an individual teacher:

1. Feedback
2. Examination results
3. Teacher's attitude commitment and achievement with regard to his/her non teaching duties
4. Peer analysis and review of performance
5. Consultancy
6. R & D which also includes publication of papers, books, etc.
7. The mandatory presentations he/she gives to his colleagues after his/her return from attending that programme.

At the end of every semester, every teacher has to submit a self-appraisal form.

- ◆ The Performance Appraisal of the Faculty is evaluated according to the split up of marks for his/her teaching methodologies, delivery, correction of answer scripts, regularity in taking classes and uniform coverage of syllabus etc., These carries 70 marks out of 100.
- ◆ The remaining 30 marks, for an exemplary academic performance, particularly in the field of utilizing his/her knowledge for imparting better education to students through development of labs, innovative and effective theory instruction, new knowledge creation and such other things - to be awarded by a committee on the recommendation of the head of the department.
- ◆ The outcome of the performance appraisal will reflect in the annual increment, incentives and the promotion of the faculty. They are communicated through annual increment order and promotion orders.
- ◆ Apart from their own self appraisal reports, recently, we have been conducting interviews to all the faculty members to assess their teaching and other abilities, knowledge of the subject including a demonstration and personal enquiry with regard to their research and publications, etc. A peer team of subject experts/Head of the respective department/Principal and if required a special invitee will observe the performance of the teachers. Grading will be given according to the parameters already fixed for the purpose. This performance will be considered for their promotion, incremental benefits, special recognition, including continuation of their services, etc.
- ◆ As far as the performance of non-teaching staff are concerned, the opinion or report of the Controlling Officer/Head of the respective department/Section are taken into account. However, we are envisaging the practice of taking self-appraisal forms from the non-teaching staff also to assess them.

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.

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

Response: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies 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.

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 2014 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. Outcome based question paper setting is initiated.
6. 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.
7. IEEE, Regional Centre at VCE could conduct a number of programmes.
8. ISTE, VCE, Warangal chapter conducted various technical meetings.
9. Entered an MoU with ICT academy.
10. There has been an enormous growth in internships.
11. The CBCS is implemented fully.

12. Number of faculty members from various departments have been sponsored to attend for conferences and workshops at other reputed institutions.
13. The rate of quality publications is increased.
14. 2nd time NBA accreditation is done for the departments of CSE, ECE and EEE.
15. Initiation is started for NBA accreditation of Civil Engg & Mech. Engg departments
16. MoUs are signed for students exchange programme with other agencies.
17. Rate of patents are increased slightly.
18. Classes for CRT & GATE are included as part of the time-table.

File Description	Document
Any 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

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 are increased inclining for research and doctoral degree because of the motivation and direction given by the departments.

Outcome based question paper setting:

In the syllabus book itself, the Course Objectives, and Course Outcomes, among other things, are given explicitly as suggested by the affiliating University, and as per the AICTE norms using the Bloom's taxonomy.

The teachers are expected to keep the objectives of the course content in view, and the teaching plans are prepared accordingly. The syllabus is divided into five units, and strictly to be completed in the given time and to achieve the objectives set for.

While teaching-learning process is taken up as per the course objectives, the course outcomes are taken as basis. Since the course objectives, course outcomes, programme objectives, programme education outcomes, are interlinked, it is our conscious effort while setting the question paper and forming the questions to test whether these outcomes are achieved. The outcome based question paper setting is in place and it is well received and attainment is seen to be satisfactory.

While the attainment of Course Outcomes is calculated, analysis is done question-wise - taking other parameters also into consideration. It will be evidently known whether we could achieve the outcome looking at the attempts made by the students to a specific question, and number of students attempted a particular question or otherwise, and so on.

Campus Recruitment & Training and, GATE Coaching:

The students entering into the B.Tech. study are from various backgrounds and they had studied different syllabuses up to their higher secondary education. Therefore, it is solely a new horizon for them with lot of hopes and desires with a complex mixture of the society, they have not seen so far. Initially, during the orientation programme, steps are initiated to make them understand the College environment, ambience and scope for study. To allay their apprehensions, and to bring togetherness and we-feeling, many a different programmes are conducted for First Years. The engineering education has since been considered prestigious in our society, the students are to be equipped with soft skills and linguistic capabilities apart from the technical knowledge of their subject.

It is evident that in our institution, there are more number of students from the rural areas and, backward classes communities lacking knowledge in spoken language of English. Therefore, we hire certain agencies to take CRT classes from the B.Tech. First Year itself allocating slots in the time-table on par with the prescribed subjects. In CRT classes the behaviour, procedures at interviews, mock face-offs, apart from special focus on English speaking, preparation of resume, and general industry trends in our country, and abroad, regarding GRE, IELTS, including processing of passports, Visa, etc are taken care of.

The role of Training & Placement cell, of course, is very crucial and important as far as preparation of our students in facing interviews, and recruitment processes. Their role is important in disseminating the information about various companies, industry including that of government advertisements, etc. The placement cell invite famous personalities to deliver motivational lectures inspiring the students to come up in various facets of life viz., psychological, philosophical, ethical, hard work, societal involvement, financial and family matters, and patriotism, work life balance, facing failures, etc.

The Coaching given to our third and final years who are preparing for GATE examinations is noteworthy. For one month especially in the months of December and January, every year, our faculty members are conducting workshops/classes inviting experts from outside giving impetus on the syllabus, old papers, questions expected. Day to Day Exercises are given, and the activity will take not less than 8 hours a day. These things have been proved fruitful, and it will be continued more vigorously.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year**Response:** 3.8**6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
7	4	4	4	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2.Academic Administrative Audit (AAA) and initiation of follow up action**
- 3.Participation in NIRF**
- 4.ISO Certification**
- 5.NBA or any other quality audit**

Response: Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)**Response:**

The following improvements have taken place in the last preceding five years, where the quality initiatives suggested by the IQAC have an important role.

- ♦ On 08.08.2013 - The VCE is recognized under section 2(f) & 12(B) of the UGC Act getting eligibility to get funds for research.
- ♦ Approved by Govt. Of Telangana State in 2014.

- ◆ Date of establishment of IQAC – 06.06.2014
- ◆ Autonomous status has been conferred by UGC - 19.06.2014 for six years.
- ◆ MoU Signed with Technocrat Automation Solutions Private Limited Chennai on 25/12/2016.
- ◆ All the UG and PG programmes are recognised by the Statutory Regulatory Authorities i.e. AICTE right from inception and the latest for the year 2017-18 on 30.03.2017.
- ◆ Nagaraju Durshanapu Final Year Mechanical received Recharad E. Merwin student Scholarship from IEEE Computer Society worth of 1000 US dollars which is presented to 36 students per year globally in December 2018.
- ◆ Established 350 KWP Solar Captive Power Plant.
- ◆ MoU Signed with CITD.
- ◆ Mr. Bhima Dileep Yadav, a student of M.Tech (PS) received Young Entrepreneur award from CITD on 01/12/2017.
- ◆ Established NCC senior wing for Vaagdevi Group of Engineering Colleges.
- ◆ Received Certificate of commitment from Central Vigilance commission Government of India.
- ◆ Prestigious ICT growth award from the chairman of AICTE - Dr.A.D Sahasrabudde on 24/10/2018.
- ◆ MoU with Rowan University on 16/11/2018.
- ◆ Best Student Chapter award by ISTE for the year 2018.
- ◆ Certificate of Appreciation for winning "Vibrant Student Branch" by IEEE Hyd.
- ◆ DELL EMC Centre of Excellence established on 21/07/2018.
- ◆ The Departments of CSE, ECE and EEE were accredited by the NBA of AICTE in the year 2017 for 3 years.
- ◆ Permanently affiliated to JNTU, Hyderabad in 2014 for five years i.e. uptill 2018-2019.
- ◆ MoU with MSME tool room Hyderabad on 26/02/2019.
- ◆ MoU with Texas University – TI Technology.
- ◆ Dr. Y.Hareesh Kumar, Head, Dept. Of EEE won Typhoon HIL – 402 with life time academic software package worth of Rs. 17.00 Lakhs free of cost.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 30

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	6	6	5	5

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2 Institution shows gender sensitivity in providing facilities such as

a) Safety and Security

b) Counselling

c) Common Room

Response:

Vaagdevi College of Engineering is committed towards the promotion and practice of the ideals of social and natural justice, human dignity and rights of all human beings. Therefore, it realizes the significance and the need for having a Gender Amity and establishment of the **Committee for Gender Amity (GAC)**, such that an atmosphere for social security, counselling etc. free from any form of sexual discrimination is created.

Safety and Security

Gender Amity Committee of Vaagdevi College of Engineering takes care of the social security not only for the persons associated with VCE but also try to influence the people of nearby areas. To uphold Women's Right to protection against Sexual Harassment and the Right to Livelihood and also to create healthy and secure environment, GAC organize every year seminars/workshops. A number of events on this topic have been conducted on various occasions. The institute is under CCTV surveillance so that safety and security in the campus is heightened for all genders and prevention of untoward elements.

Counselling:

Though Vaagdevi College of Engineering has a policy to do the counselling in various levels including Mentor-Mentee system, engaging professional counsellor etc, yet, VCE has taken a special care for counselling in gender equality and gender amity. It takes pro-active role in addressing various issues of social, physical and psychological environment and awareness. Counselling is provided to encourage the students for early reporting of any experience regarding sexual harassment or gender conflict. Also encourage them to maintain a healthy environment in and around the campus. Awareness and counselling has been generated to ensure that complaints will be dealt with in a sensitive, equitable, fair, timely and confidential manner. Popular personalities are invited to deliver motivational lectures who also counsel the students with techniques to overcome mental, social and academic hurdles in the process of the college life, and set goals and steps to be initiated in that direction citing examples and enunciating very good tips and incidents.

c) Common Room

To keep the privacy as well as to eliminate unwanted incidents, College maintains separate common rooms for boys and girls as well as male teachers and female teachers. Apart from these, every Department of the college has a separate common room for faculty members. The women rest rooms are installed with sanitary napkin vending machine for keeping health hygiene along with eco-friendly conducive environment. The common rooms are also provided with drinking water, Wi-Fi facility and even with a Television on specific occasions.

Common Rooms are generally allocated in every floor annexing toilets, wash rooms. It is made a point that they have access to class rooms, laboratories, library and, at the same time those establishments should not get disturbed by the common room activity. Thus, VCE strives well to maintain the gender sensitivity through its Committee on Gender Amity for safety and security increasing awareness by Counselling efforts and establishing separate common rooms for both male and female including students and staff.

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 39.11

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 197100

7.1.3.2 Total annual power requirement (in KWH)

Response: 504000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 35.4

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 26760

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 75600

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Vaagdevi College of Engineering is committed to “zero waste” and reducing the environmental impact of its activities. Over the years, the College recycling scheme has included office stationery, electronics, laboratory material and furniture.

- ♦ **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. During the destruction process there is no odour, flies or leaching of contaminants. The College premises has been declared as ‘no plastic’ zone and litter free area. Our sub staff will be collecting if any such material is thrown and sent for natural combustion.
- ♦ **Liquid waste:** The College takes all the care regarding the chemicals or other materials which may turn out to be hazardous in nature. Teachers & supporting staff warn about the possible dangers of mishandling or careless handling of chemicals. Any glassware used in the laboratory is rinsed with minimum water and placed in the liquid waste container. The organic waste yield of the college is treated with cow dung and urine for decomposition due to the action of micro-organisms. As far as rain water is concerned, it is diverted to rain water harvesting plants built nearby the buildings. And, a plant is established to convert the bore well water into potable water and is supplied to the students and staff.
- ♦ **E-waste:** This has been a critical endeavour towards E-waste management ensuring that no discarded computers or printers are lying idle in the office premises. Nevertheless, we are taking steps not to use CDs and to use only USBs and wherever necessary to increase the capacity of RAM, so as to produce less e-waste. E-waste collectors do visit our College for taking over such debris, if any, available for they destroy it in environment-friendly mode.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The College strategy in rain water harvesting and sustainable water management is the combined use and storage of surface and ground water through the creation of reservoirs and deep bore wells to achieve more efficiency in water usage and alleviate ground water levels.

The campus has got huge and beautiful buildings with RCC slabs. Taking advantage of this space, a network of pipelines to send the rain water to the underground sumps/water harvesting pits is arranged for each building. The design and construction of water harvesting pits are as per the laid down standards and practices at other sister concerns.

Tapping small streams passing through the campus and the many natural springs in the adjoining creeks are diverted to the open land with little effort to gather rain water to precipitate there itself. Further, a temporary check dam is in place for stopping the streams running waste and gathers the rain water.

While these efforts help in water harvesting, storm water management help in replenishment of the ground water table of the college. Actually, the land in the campus undulating, and we have put lot of effort to make to plane which help avoid soil erosion by the rain water.

Apart from ensuring continuity in water supply for campus population, the water reservoirs are also sources of drinking water. Unchecked rainwater runoff is causing soil erosion. Using more of rainwater helps to conserve & augment the storage of ground water and has a positive impact on health.

A water treatment plant is erected on the top of a building and the bore-well water will be treated there and this potable water is supplied to all the inmates of the campus viz., students, teachers, staff and employees round the clock. In the corridors of the College building, water taps are fitted to quench the thirst of the students within their reach. A good network of pipelines is in place for supply of water to Laboratories and public places and also toilets.

Used water is diverted in such a fashion that the drained water sink into the land without gathering at a place avoiding formation of mud and stink.

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Vaagdevi College of Engineering attempts to be a Green Campus by adopting various “Green Practices” as integral part of its campus life and nurture stewardship of environmental resources through a blend of academic and experiential learning.

- ◆ **Transport:** the campus of the institute is partly residential and offer hostel accommodation to students at subsidized rates. Currently, over 25% of the student population avail of the hostel facilities available on campus, 10% live in the vicinity of the campus, 50% of the student population avail of the bus facility by the institution and the remaining 35% avail of public transport or car pools. Since 85% of campus population use public//pooled transport, the campus is close to “Green Campus”.
- ◆ **Walkways and Pedestrian Friendly Roads:** The campus areas have been designed with the concept of open spaces including roads, foot-paths, and walkways. The natural landscape has been preserved while accommodating the demand to use these venues actively for gatherings, ceremonies and recreation. There is a clear pedestrian connection through all campus roads and a system for a safe, mixed traffic system has been created by marking adequate parking facilities.
- ◆ **Plantation:** Institution and NSS students have done a lot of work to make the campus green through avenue plantation in the campus. Avenue Plantation wing of the College, protecting the environmental heritage of its campus, has planted about 500 saplings of all types including some medicinal plants and energy plantation on the campus. Five acres of land has been allocated for social forestry to plant different types of tree species to maintain the biodiversity.
- ◆ **Check dam construction:** As already stated a temporary check dam is in place for stopping the streams running waste and gather the rain water for precipitation in to the soil, which will enhance the ground water level as well.
- ◆ **Water harvesting:** Rain water harvesting has been done in the existing buildings. Under this project roof top rain water harvesting structures were built. It is made mandatory to conserve rain water through water harvesting pits in all the new/proposed constructions in the college.
- ◆ **Paperless Office:** A culture of reuse and recycling has been actively advocated throughout the campus. Several initiatives have been implemented to significantly limit paper traffic such as cashless transactions, multi user printer at central administrative locations of the office, circulation of documents and notifications through SMS, Whatsup, e-mail and Website, etc. To the possible extent, the use of paper is curtailed.
- ◆ **Plastic recycling:** Waste material of the college is segregated into biodegradable and non-biodegradable waste. The collection of non-biodegradable waste is collected by community garbage disposal agents for recycling.
- ◆ **Efforts for Carbon neutrality:** Implementation of e-governance by the campus reduces the vehicle mobility in the campus. It is one of the novel means to promote carbon neutrality. The campus is restricting considerably the usage of AC and vehicular movement to reduce the greenhouse gases along with Co₂.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.14

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1.576	0.59732	2.85610	2.23	1.82386

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 28

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	7	7	4	5

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 43

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	12	7	5	7

File Description	Document
Report of the event	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about

national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations**Response:** Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics**Response:** Yes**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions****Response:** Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**Response:** 52

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	10	11	10	10

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Teacher's day and Plantation Programme:

The birth day of Dr. Sarvepalli Radhakrishnan is celebrated as Teacher's day by organizing a plantation program or some other societal engagement activity with an active participation of B.Tech first year students to plant a no. of saplings in and around our college campus on 5th September every year. We have developed a habit of plantation inside the campus on various occasions every year with the support of local bodies in presence of Principals, Deans and, faculty members and students inside the campus and our NSS volunteers promised to look after the plants during their college life.

Independence Day:

Independence Day is celebrated with college authority in college campus by direct participation of the NSS student volunteers, teachers and staff. This year 700 students of B.Tech. first year were participated in the Independence Day celebration program. The motto of togetherness and independence blows among community through our students' speech, recitation, patriotic songs etc. National Flag is hoisted and National Anthem is sung.

Education Day:

On recommendation of MHRD India, 11th November, the birth anniversary of Dr.Maulana Abul Kalam Azad, is celebrated as '**Education Day**' by organizing essay writing on topics like "**Education Is The Breath Of Society**" and elocution, extempore speech and poster preparation competitions among the students and they are encouraged by providing prizes.

Republic Day: On 26th Janury, anniversary of India's Republic Day has been celebrating in the campus of the Institute **every year** on which day the Constitution of India came into effect in the year 1950 replacing the Government of India Act 1935 as the governing document of India. National Flag is hoisted, National Anthem is sung in group, Sweets are distributed to the gathering. Speeches highlighting the independence struggle and the sacrifices made are remembered.

The following **National Festivals and other important Days** are invariably celebrated **every year** on the specified dates, as per the guidelines, if any, of the State/Central governments from time to time. Other important events are celebrated in a big way in a befitting manner to highlight the importance of that day and calling up the contributions made by them to the humanity and to our country.

- ◆ World Environment Day-5th June
- ◆ International Yoga Day-20 June to 21 June
- ◆ Digital India Week-4th July
- ◆ Pledge-9th August
- ◆ International Youth Day Celebration-12th August
- ◆ Independence Day Celebration-15th August
- ◆ Teachers' Day Celebration-5th September

- ◆ World Suicide Prevention Day-10th September
- ◆ Engineer's Day - 15th September
- ◆ Gandhi Jayanthi - 2nd October

- ◆ World Mental Health Week- 5th October to 10th October
- ◆ AICTE Vigilance Awareness Week-31st October-5th November
- ◆ National Press Day Celebration-16th November
 - ◆ National Integration Pledge – 19th November
 - ◆ Republic Day celebrations – 26th January
- ◆ Martyrs' Day – 30th January
- ◆ National Science Day on 28th February.

- ◆ International Women's Day – 8th March
- ◆ Samata Diwas – 5th April
- ◆ Dr. BR Ambedkar's Birth Day – 14th April
- ◆ Graduation Day
- ◆ Sports Day
- ◆ Literacy Day
- ◆ Traditional Day

- ◆ National Youth Day Celebration

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The VCE ensures transparency in its financial, academic, administrative and auxiliary functions through a well established governance mechanisms as follows: The Institutional mechanism for monitoring the effective and efficient use of financial resources is done through the Financial Committee consists of:

1. Member of the Executive Board of the Sponsoring Society
2. The Director (Chairman of the Board of Governors)
3. The Finance Officer (employee of the College and of the Governing Body)
4. The Chief Administrative Officer (an employee of the College or representative of the management)

The Committee is assisted by the experts to finalize matters relating to fee structure and the budget provisions of the institution. Actual day-to-day **financial** transactions are tracked by the Finance Officer (for approvals), the CAO (for transactions) and the Accounts Officer (for Cross Verification and accounting). The college has appointed external auditors, who regularly audit the accounts.

Innovative mechanism / process for internal quality checks: In its quest for excellence, the institution seeks continuous innovation for quality assurance in **academic** programme & **administration**. Some of the key attributes adopted are:

Academic system:

1. Students' academic performance and attendance to class work is strongly monitored by Counselors with day to day contact. Absenteeism on day to day basis is communicated to their parents via SMS.
2. Handouts with lecture plan, assignment questions, and references are distributed to the students in the beginning of the semester.
3. Experiments beyond the syllabus are also conducted in the labs to give wide knowledge to the students.
4. Close monitoring Review of performance of teachers based on feedback and pass percentage of students at university examinations.
5. Class monitoring committee meetings are held thrice in a semester.
6. Review of performance of teachers based on feedback and pass percentage of students at university examinations.
7. Remedial classes, bridge courses to make up for improved learning.
8. Students are motivated and sponsored to participate and present papers in conferences.
9. Incentives for those carrying out research and publishing papers/participating in Seminars/Conferences.

Administrative system:

Administrative mechanisms are in place for quality assurances are:

1. College administration is run through Management, Director, Principal, Deans, HODs and Professors as per the administrative manual of the College. All decisions are implemented as per the set rules.
2. An exclusive Examination Section headed by Officer-In-charge Examination is in operation.
3. Grievance redressal cell to attend to the problems of students.
4. There is a centralized research committee with Director, Principal and Dean, R&D to review all R&D related activities at the departmental and institutional level.
5. Decisions regarding purchase of equipment, conduct of STTPs, FDPs, Seminars etc., and deputation of faculty are taken in the advisory committee of the respective departments.
6. Technicians in all departments look after the repair and maintenance of lab equipment.

Auxiliary functions:

1. Inviting experienced academia from reputed institutions and industry experts for delivering guest lectures.
2. Training and Placement Cell takes care of all the aspects related to placements.
3. Maintenance of all buildings and other infrastructure is entrusted to maintenance team.
4. Physical Director attends to all sports activities of boys and girls.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice I:

1. Title of the Practice: “Students Motivation – Practical Exposure”

2. Objective of the practice:

The goal of this practice is to impart practical exposure to students in upcoming technologies by conducting workshops, guest lectures and seminars by internal and external academicians /industrialists and through industrial visits.

3. Context:

To enhance competence of the students, secure better placements and involve in national build up.

4. Practice:

The students are expected to be strong in academics and have good industrial exposure. They are encouraged to update their knowledge with latest developments in their respective disciplines and allied subjects. In addition to good academic record, the students need to develop leadership qualities and good communication skills and soft skills. In this aspect, eminent personalities from various reputed institutes and industries are invited to impart the practical exposure to the students through workshops, seminars, guest lectures, etc. Also, the students are motivated to share their ideas with the outside world by presenting their research work in National/International conferences. The students are monitored regularly by class review committees and conduct of remedial classes wherever necessary. Regular tests/coaching classes for GATE and other competitive exams are conducted by the college. To gain industrial knowledge, the students are encouraged to visit the industries.

5. Evidence of Success:

The College has taken up as a challenge the **Students Motivation – Practical Exposure** to enhance their capabilities to take up challenging tasks in securing jobs in reputed MNCs and corporate sectors, and fulfill their dreams in their lives.

The following successes observed for the last four years due to students motivation and practical exposure:

- ◆ There is substantial increase in the organizations visiting the College for placement of students.
- ◆ There is increase in number of in-campus and off-campus placements for the last four years.
- ◆ There is increase in number of students getting good grades in GRE and TOFEL and securing admissions in M.S. in USA, UK, Australia and Singapore.
- ◆ There is increase in number of students securing good percentile in GATE and getting admissions into M.Tech. in reputed National Institutions such as IITs, NITs and Universities.

6. Problems Encountered and Resources Required:

1. Students must be provided training in English writing and communication skills.
2. Experts from industries and R&D establishments are to be invited by the College to expose the students to the latest advancements in technology which are not taught in regular curriculum
 1. Industrial visits have to be planned to expose the students to industrial environment and advances in technology.
 2. Free coaching has to be provided by the College to prepare the students to come out successfully in GRE, TOFEL and GATE examinations more rigorously.
 3. Additional resources are required to invite the experts to deliver lectures, industrial visits and providing coaching for GRE, TOFEL and GATE, etc., for which the College has to make provision with the approval of the BOGs.

7. Notes:

In the interest of the college and for the benefit of the students, it is necessary to take up Students Motivation – Practical Exposure in spite of additional financial burden on the College.

Best Practice II:

1. Title of the Practice: Mentorship

2. Objectives of the practice:

- ◆ The objectives of the practice followed by the Institute are:
- ◆ Improvement of teacher-student relationship
- ◆ Counseling students and interaction with them for problem solving
- ◆ Students for improvement in the global economy and quality of life of the students and public in the society.
- ◆ Keeping informed the parents about the attendance and performance of their wards from time to time.
- ◆ Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.

3. The context:

To motivate the students and develop confidence to take up challenging tasks in their lives and help the society in national built up.

4. The Process:

Since the majority of the students are not matured enough to take their own decision in the vast changing scenario of technology and their family and educational background, the mentorship activity of the institute guides and counsel the students in academic, non-academic matters including personal domain to achieve their best in life. In particular, the scheme aims at addressing deficiencies in attitudes, habits, and knowledge of the students regarding study and learning. For each 15 students, one teacher-mentor is allotted. A register to record the communication with the parents is placed. Many other supporting methods have been introduced for better coordination of lectures, tutorials and practical classes. Advanced tutorials are arranged by the mentors in association with the respective subject teachers and experts

focusing problem-based learning of modern technology. Towards the end of semester, students work collaboratively on assignments in small groups in their practical classes.

5. Evidence of success:

The confidence of the students is thus increased due to the mentoring, expertise training and measures taken by the college. There is recognition and appreciation by the students and they are actively participating in all the programs. As the outcome, discernible positive change has been observed in them. Internal Quality Assurance Cell (IQAC) play a key role mentoring activities.

6. Problems Encountered and Resources Required:

Teachers role is very important in mentoring the students. The teachers are to be trained first by the experts and their role should be clearly explained. The mentors should advice the students not only in their academic problems and in additional non-academic issues such as psychological problems, financial problems ,difficulty in understanding certain subjects, absenteeism in classes etc.

The College has to arrange proper rooms for mentoring students during off-periods. Provide class rooms and audio video facility along with teachers to teach subjects for slow learners which may involve additional expenditure to the College.

7. Notes:

In spite of some difficulties faced by the teachers and College as mentioned above, the mentoring of students must be made compulsory in all educational institutions in the interest of students community.

7.3 Institutional Distinctiveness

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

Response:

The distinctiveness of Vaagdevi College of Engineering lies primarily in creating, for its faculty and students, an ambience that provides a 'holding environment' - a psychological space that is both safe and comfortable. 'Safe' because a 'holding environment' is what we all need to grow and blossom, a supportive environment. 'Comfortable' because in such an environment one also promotes 'disruptive creativity'.

Such an environment is the natural result of the following strengths of the institute community:

1. Adherence to its foundational concepts that have laid out the trajectory of its growth plan.
2. Outstanding Human Resource Management system to ensure ‘a shared vision, a cohesive team and an engaging work culture’.
3. Meticulously planned and implemented personal and professional development programmes for its faculty and students.
4. Well-oiled governance structure and administrative mechanisms to ensure speedy implementation of all developmental plans.
5. Relentless efforts to attain the best possible balance between growth and sustainability.
6. Manifest commitment to be responsible stewards of the extraordinary campus. It is blessed with a meticulous devotion to ensure biodiversity, eco-consciousness and reverence for the gifts of nature.

Taken together, these strengths have contributed in ample measure towards the creation of a culture in the College that is uniquely our own, that energizes us in all that we do, and knits us together into one educative community. Look around our campus, look into our classrooms and research labs, and look into the camaraderie among our staff, students and faculty that cuts across all distinctions here at the college campus.

The Vision of our Institution is as follows:

Vision of the Institution

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

And, our endeavours have been over the years are in tune with our Vision:

Being an autonomous college we have been striving to update our Syllabus frequently being hand in hand with the University and the government’s major objectives and policies on the one hand and, the industry needs, employability on the other hand. Our view shall be to provide novel and trending subjects into the day to day teaching-learning activities to enhance the knowledge and skill of the students which will cater to them with the latest and on-going technical knowhow. We have also been inviting industrial technocrats, and experienced professionals, teachers to deliver lectures sharing their views, problems faced at ground level, and managerial expertise, etc., which will boost the students morale, and inculcate their zeal and understanding of the problems. Alumni meetings and interactions – formal and informal – are also organized to involve the students with their seniors and professionals occupying high positions in the industry, administration and so on, to fillip their confidence.

It has been our endeavour to create a healthy educational environment in the campus with teaching both theory and practical, and engage the students and teachers in conduct of conferences, seminars, workshops, in the College and encourage the faculty members to participate such meetings organized by other prestigious educational institutions outside Warangal. We provide incentives to the faculty who will participate conferences outside our College, and ask them to share their experiences with their colleagues. The participation of faculty members in different conferences, seminars etc will no doubt enhance their knowledge and the interaction with other faculty members will widen their spectrum of subjects and areas of knowledge in the allied subjects, which will be beneficial in the teaching-learning processes.

We are consciously encourage our students to take part in games, sports and sponsor them to participate in the competitions conducted elsewhere to inculcate competitive spirit among them. As a policy, the College

will celebrate all sorts of important national and international Days specified to commemorate the important roles of the great leaders, their sacrifices, methodologies and the importance of the said issue(s) in the contemporary times.

The Mission of our Institution is as follows:

Mission of the Institution

- ◆ 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.

And, our endeavours have been over the years are in tune with our Mission:

In our Society, in this part of the country, the population comprises of most backward in terms of education and also in terms of financial stability. Their educational needs are now being fulfilled because of the fact that the Institutions of Technical Education are now brought to their threshold and it is now in their reach. The statistics will speak of this fact, and they are well placed also enhancing and competing with others in the Society.

Our students are encouraged to register themselves in the professional bodies of engineering/technology like IEEE, ISTE, 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. The topics of the meetings conducted at different chapters will attract them in their subject field and the competitions therein will sharpen their spirit of learning and teaching. 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.

The alumni of this College are well placed nationally and internationally and their presence and advice are surely benefit the present students as to how they can be successful in their professions to be helpful to the Society and the Nation as well.

Keeping in view the vision and mission of our Institution, we keep thrust on certain things like latest knowledge with positive and active approach in teaching, learning processes interacting with the societal and industrial needs.

5. CONCLUSION

Additional Information :

College is committed to the aspects of continuous improvement and evolving modified strategies for the betterment of quality. A good hierarchical authority is provided for better communication among them for implementation of the decisions and review of the results thereof.

We have a quality policy to ensure high standards to educate enrich and excel in imparting professional education by top quality faculty, who endeavour to mould the students into socially responsible professionals through creative team work, innovation and research. Proper policy and planning is evolved through analysis, research inputs and consultations with the stakeholders. These shall be implemented scrupulously encouraging improvement and innovation at various levels, and developing the institute into a Centre of Excellence thus increasing the stakeholders' value and providing quality service to the society.

Faculty will be at liberty to formulate plans for supporting slow learners, preparing required learning material, organizing various programmes for curricular and co-curricular abilities, encouraging enthusiastic learners for professional competency, designing new experimental set up in laboratories, taking up in-house research and development projects. Senior faculty members are identified and assigned various duties to help the Principal in day to day functioning and maintaining the standards of education and training to students. Further, the faculty members-in-charge are given adequate systematized autonomy to devise and implement the necessary plans for effective conduct of the laboratories and evaluation. The freedom of action will motivate faculty for creative and innovative practices, coordination and team work. The College always gives top priority to research among other academic duties providing good infrastructural facilities. The College also evaluates faculty on a routine basis and results are communicated and also discussed with faculty members for betterment.

Faculty feedbacks in the departmental committees are well appreciated and received by the Heads of the departments and in turn the suggestions of the Heads and Deans are perceived well by the top management. After detailed discussions with the Director/Principal and, other officers of the college, these issues are referred to the Board of Governors for implementation.

Concluding Remarks :

After a successful standing for a decennial period, against all odds, now the Vaagdevi College of Engineering is a known Institution in this part of Southern India for its strides in the field of education. Its own updation, improvement in the fields of pedagogy methods on the one hand, and its alumni over the globe on the other hand has earned a good name to the College. The Institution has improved a lot over the years working continuously, in retrospection into its weaknesses, and to be in tune with the emerging national and global needs of the students for better employability grabbing the opportunities available from time to time. The infrastructure facilities, laboratory equipment coupled with qualified faculty members and devoted supporting staff all together is causative inputs to achieve the objectives in a healthy competitive spirit. The dynamic and ever-changing needs of the student community with the latest technological changes and industrial demands, however, put impetus to improve our continuous endeavors.

We believe that the students should be involved in extension activities apart from the academics to imbibe social responsibility and contribute to good citizenship, service orientation and holistic development. To

achieve these objectives, college organizes different activities such as programs on personality development; National Service Scheme and induct them in National Cadet Corps. It encourages the students to voluntarily involve themselves in blood donating camps, AIDS awareness programs, etc. Further, the College has got recognition from a number of professional societies, with which our students will interact and participate, compete in many technical events conducted by these societies which will expose them to the current technical know-how and inculcate spirit among them furthering cooperation with their counter-parts in various other Colleges.

The VCE has entered into Memorandum of Understanding with several famous local industries for extending training, internship, placement of students. This is enabling the students to carry out their project work in the industry with active participation of internal supervisors in addition to in-house implementation of projects in all the departments, because of which the students get on- hand experience and exposure to actual industrial set up.

MAAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.2	<p>Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</p> <p>1.2.2.1. Number of programmes in which CBCS/ Elective course system implemented. Answer before DVV Verification : 9 Answer after DVV Verification: 8</p>																				
1.3.3	<p>Average percentage of students enrolled in the courses under 1.3.2 above</p> <p>1.3.3.1. Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>3224</td> <td>3256</td> <td>3184</td> <td>2735</td> <td>2432</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>3117</td> <td>2122</td> <td>3032</td> <td>2256</td> <td>2432</td> </tr> </tbody> </table> <p>Remark : The following courses have not been considered, as they are quite basic for the current scenario. Introduction to computers Computer training and applications Basics to computer Basic computer training Basic computer programming Advanced Surveying Building modelling using Revit arch Course outline of electrical design engineering GST Digital Marketing</p>	2017-18	2016-17	2015-16	2014-15	2013-14	3224	3256	3184	2735	2432	2017-18	2016-17	2015-16	2014-15	2013-14	3117	2122	3032	2256	2432
2017-18	2016-17	2015-16	2014-15	2013-14																	
3224	3256	3184	2735	2432																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
3117	2122	3032	2256	2432																	
2.3.2	<p>Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.</p> <p>2.3.2.1. Number of teachers using ICT Answer before DVV Verification : 336 Answer after DVV Verification: 0</p> <p>Remark : Merely having LCD/projectors are not ICT. Links to LMS, Moodle, etc are not been provided</p>																				
3.4.2	<p>The institution provides incentives to teachers who receive state, national and international recognition/awards</p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: No Remark : No proof available</p>																				

<p>3.4.6</p>	<p>Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years</p> <p>3.4.6.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>38</td> <td>46</td> <td>21</td> <td>21</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>35</td> <td>29</td> <td>18</td> <td>18</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	17	38	46	21	21	2017-18	2016-17	2015-16	2014-15	2013-14	12	35	29	18	18
2017-18	2016-17	2015-16	2014-15	2013-14																	
17	38	46	21	21																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
12	35	29	18	18																	
<p>3.6.2</p>	<p>Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years</p> <p>3.6.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1014 1046 1149"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>14</td> <td>11</td> <td>6</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1227 1046 1361"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	13	14	11	6	7	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
13	14	11	6	7																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	0	0	0																	
<p>3.6.4</p>	<p>Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years</p> <p>3.6.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1720 1046 1854"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>4099</td> <td>4212</td> <td>4110</td> <td>3632</td> <td>3030</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1933 1046 2067"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>1000</td> <td>1000</td> <td>1000</td> <td>1000</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	4099	4212	4110	3632	3030	2017-18	2016-17	2015-16	2014-15	2013-14	1000	1000	1000	1000	1000
2017-18	2016-17	2015-16	2014-15	2013-14																	
4099	4212	4110	3632	3030																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
1000	1000	1000	1000	1000																	

Remark : Not more than 1000 students have participated based on the extension activities reports available in the HEI link

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 54

Answer after DVV Verification: 15

Remark : CSE labs + ICT rooms are 15

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
301.5	343.25	175	339	154

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

Remark : Budget must be attested by CA and not principal. Also the audited statements do not mention expenses towards infra augmentation

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
13.55	30.11	12.53	10.79	10.84

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5.84	0	22.32	5.28	1.52

Remark : Changed as per the Audited statements

4.2.6	<p>Percentage per day usage of library by teachers and students</p> <p>4.2.6.1. Number of teachers and students using library per day over last one year Answer before DVV Verification : 339 Answer after DVV Verification: 35</p> <p>Remark : Average as per the proofs provided</p>																				
4.4.1	<p>Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years</p> <p>4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs) Answer before DVV Verification:</p> <table border="1" data-bbox="304 707 1046 842"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>431.92</td> <td>1005.12</td> <td>425.51</td> <td>543.50</td> <td>448.63</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 920 1046 1055"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : No certificate from CA attached</p>	2017-18	2016-17	2015-16	2014-15	2013-14	431.92	1005.12	425.51	543.50	448.63	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
431.92	1005.12	425.51	543.50	448.63																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	0	0	0																	
6.3.2	<p>Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years</p> <p>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 Answer before DVV Verification:</p> <table border="1" data-bbox="304 1413 1046 1547"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>286</td> <td>239</td> <td>236</td> <td>174</td> <td>162</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1626 1046 1760"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : Vouchers mentions fees received from faculty and not provided</p>	2017-18	2016-17	2015-16	2014-15	2013-14	286	239	236	174	162	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
286	239	236	174	162																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	0	0	0																	
6.3.4	<p>Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years</p> <p>6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation</p>																				

Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
304	270	246	215	172

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
200	180	190	110	102

Remark : Removed one day and two day trainings. Minimum 3 days will only be considered

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of programs offered year-wise for last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>18</td> <td>22</td> <td>22</td> <td>18</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>14</td> <td>15</td> <td>15</td> <td>13</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	9	18	22	22	18	2017-18	2016-17	2015-16	2014-15	2013-14	8	14	15	15	13
2017-18	2016-17	2015-16	2014-15	2013-14																	
9	18	22	22	18																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
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2.1	<p>Number of students year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>4099</td> <td>4212</td> <td>4110</td> <td>3632</td> <td>3030</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>4097</td> <td>4210</td> <td>4108</td> <td>3630</td> <td>3028</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	4099	4212	4110	3632	3030	2017-18	2016-17	2015-16	2014-15	2013-14	4097	4210	4108	3630	3028
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3.2	<p>Number of full time teachers year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>369</td> <td>396</td> <td>373</td> <td>288</td> <td>277</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	369	396	373	288	277										
2017-18	2016-17	2015-16	2014-15	2013-14																	
369	396	373	288	277																	

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
316	396	373	288	277

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2802.72	2454.27	1398.63	883.25	1257.53

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2802.72	2454.27	1398.63	883.25	1257.52