



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	VAAGDEVI COLLEGE OF ENGINEERING
Name of the head of the Institution	K PRAKASH
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08702865182
Mobile no.	7799086969
Registered Email	principal@vaagdevi.edu.in
Alternate Email	vaagdeviwgl@gmail.com
Address	Bollikunta, Khila Warangal (Mandal) , Warangal Urban-506 005 (T. S)
City/Town	warangal
State/UT	Telangana
Pincode	506005

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	19-Jun-2014																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr V Janaki																		
Phone no/Alternate Phone no.	09700360963																		
Mobile no.	9885692640																		
Registered Email	iqac@vaagdevi.edu.in																		
Alternate Email	headcse@vaagdevi.edu.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.vaagdevi.edu.in/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.vaagdevi.edu.in/																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.02</td> <td>2019</td> <td>26-Nov-2019</td> <td>25-Nov-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.02	2019	26-Nov-2019	25-Nov-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.02	2019	26-Nov-2019	25-Nov-2024														
6. Date of Establishment of IQAC	06-Jun-2014																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
A Seminar on Enhancing Quality In Academic	03-Jun-2019 1		46																

Research		
Awareness programme on Quality Enhancement through	02-Nov-2019 1	48
NSS Programme on Kill the Cancer Awareness Elocution Program in association with ISKCON	03-Dec-2019 1	100
Vaagdevi Student Roar in Angst for Women Safety LAws	07-Dec-2019 1	150
National innovation startup policy awareness workshop	09-Dec-2019 1	150
One Day Workshop On Drug Abuse Prevention National Service Scheme Cell JNTU-Hyderabad (BSH)	06-Jan-2020 1	426
NIRVANA-2020 Awareness on child welfare and sexual abuse	05-Mar-2020 1	150
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Accredited by NAAC with A Grade ISO 9001:2015 certified ICT Enabled Classes
 Continuous workshops, Webinars, and FDPs through ICT mode MOU's with premier institutions like Benafai and quadrant resources, Pantech, HIEE, Tech Trunk etc.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To establish the new laboratory on latest technologies and improve the collaborations.	Proposal was sent by Mechanical Department to establish a 3D printing laboratory. ECE Department collaborated with TEXAS INSTRUMENTS and eYantra Robotics lab (IIT Bombay) for innovative project training at VCE.
Sensitizing faculty to industry 4.0 Technologies	Under SEEK program, the students were trained on latest technologies for different branches
Improvement in Research Publications	Publication count in Scopus and WOS are improved
Decided to concentrate more on incubation centers and startups	A VIBA cell was established exclusively for promoting start-ups. In order to create interest and motivation among the students around 15 students were taken to Mumbai on ESUMMIT. As a result, 02 startups were started.
Motivating the faculty and students to register for Swayam/MOOC/Nptel courses and students to participate in HACKATHONS.	Training on NPTEL courses on latest technologies and programming languages was started. Faculty and student members successfully completed NPTEL courses. The college IIIC team conducted a project contest where in all the department students presented their SIH problems in the form of ppt.7 teams were short listed from all the departments and submitted to SIH successfully.
Encouraging the faculty members for active participation in conferences, seminars and workshops.	Providing a platform for students and faculty members to present their research work/ upgrade their skills/ interact with eminent personalities

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14. Whether AQAR was placed before statutory body ?

No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	15-Nov-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	11-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>SKOLO is a campus automation software at Vaagdevi college of engineering has different modules for automation of functions at the institute. 1. SKOLO makes admission process automated. It provides the data pertaining to admissions, reports of the seat's allotment by convener and its status is generated. This module is interlinked with academic module for various other automation purposes. 2. SKOLO performs Course Management i.e, Creates Course based on Program, regulation, semester, branch, Faculty Course Mapping, Academic Calendar, Teaching methodologies, and Elective Settings. 3. SKOLO manages the timetable for class management. It creates Time settings, class time Tables, Assigning Resources to the time tables. 4. SKOLO organizes and maintains the attendance record of the students. It creates Branch wise and Student wise Attendance and provides a provision for sending SMS or Notifications to the parents regarding student's attendance. 5. SKOLO provides the complete data regarding student's portfolio, i.e, student details, and student promotions, student activities in the college and outside the college during their stay in the college. Student management: Student, rejoined student, readmitted student etc. 6. SKOLO provides the complete information regarding the scholarships of student's status, scholarship proceedings and is linked to Accounts module. 7. SKOLO is</p>

an integrated HR Payroll Employee management which is subcategorized into three i.e., Employee Management: It provides the complete data regarding the employee joining and leaving details, Biometric attendance and the reporting pertaining to biometric attendance. Payroll Management: Creates category and month wise payrolls, employee pay slips, monthly payroll reports. Leave Management: Provides the data regarding Leave entitlement, leave allotments, leave types, Employee leave requests and the status. 8. SKOLO enables fully automated account related functionalities like fee particulars of students based on regulations, ledger maintenance, due lists, payment status, part payment, etc. 9. SKOLO performs the functionality of student examination registration for end semester and creating seating arrangement for students. It facilitates the Nominal Rolls, Room and Branch(s) wise on a date of examination for both Internal/External. Provides the functionality for generation of Admit Card and Internal Marks Entry by faculty, also provides the complete upto date data of the students in the context of examinations. 10. SKOLO is also includes computerized library system that will manage the activities in the library providing easy access for librarian and users, it will also help librarians keep track of library information etc. This system will also provide electronic means of storage and help librarians keep track of library information. 11. SKOLO also facilitates Transport Management System includes Load Planning, Vehicle Scheduling, Route optimization and Driver Management for easily manages all Transport Needs. And automate transport operation like payment, report, generating transactions receipt etc. 12. SKOLO provides the complete parent teacher, student teacher meetings, report pertaining to mentoring, counseling etc. 13. SKOLO enables the students to apply for certificates (Transfer certificates, Bonafide, Course completion, third party verification and Pursuing certificate etc) online. This is a totally automated workflow provided to concerned departments to provide no due

certificates and printing of certificates after approval.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Computer Science and Engineering	03/06/2019	Data Communications Computer Networks (A9523)	03/06/2019
BTech	Electronics and Communication Engineering	03/06/2019	Electronic Devices and Circuits Lab (B18EC02)	03/06/2019
Mtech	Power Electronics	26/06/2019	Dynamics of Electrical Machines (M18PE16)	26/06/2019
Mtech	Structural Engineering	26/06/2019	Theory of Elasticity (M18SE01)	26/06/2019
MBA	Master of Business Administration	26/06/2019	Business Environment (M18MB01)	26/06/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Master of Business Administration (Entrepreneurship (Master of Business Administration))	26/06/2019
Mtech	Power Electronics (HVDC & FACTS)	26/06/2019
Mtech	Structural Engineering (Behaviour of Concrete Structures)	26/06/2019

BTech	Electrical and Electronics Engineering (Power systems-2)	03/06/2019
BTech	Civil Engineering (Strength of Materials - I)	03/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	03/06/2019
BTech	Electrical and Electronics Engineering	03/06/2019
BTech	Mechanical Engineering	03/06/2019
BTech	Electronics and Communications Engineering	03/06/2019
BTech	Computer Science and Engineering	03/06/2019
Mtech	Structural Engineering	26/06/2019
Mtech	Power Electronics	26/06/2019
Mtech	Power Systems and Control Automation	26/06/2019
Mtech	Thermal Engineering	26/06/2019
Mtech	Computer Science and Engineering	26/06/2019
Mtech	Wireless and Mobile Communications	26/06/2019
Mtech	VLSI System Design	26/06/2019
Mtech	Computer Networks and Information Security	26/06/2019
MBA	Master in Business Administration	26/06/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Building Information Modeling with REVIT	05/08/2019	85
Computational Structural Design and Analysis Using MIDAS	07/09/2019	89
A Two-Week Workshop on Design Modeling of Electrical Systems for Real-time Control	13/02/2020	120

Recent Trends in VLSI Design	19/08/2019	180
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	365
BTech	Electrical and Electronics Engineering	250
BTech	Mechanical Engineering	210
BTech	Electronics and Communication Engineering	544
BTech	Computer Science Engineering	540
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Vaagdevi College of Engineering has a good mechanism to obtain the feedbacks from all the stakeholders like students, Faculty, employers, Alumni and parents. Exit Survey for final year students during their passing out is collected to know the feedback of Curriculum, laboratories, department facilities and institutional facilities for further improvement. Parent Feedback is collected during parent-teacher meeting and also during their visit to the college on various purposes. Placement office will collect feedback from the employers during their visit for placements and also during the training hours provided by various companies, academies and industries. Departments will also collect feedbacks from various industry persons and academicians during their visit to workshops, guest lectures, FDPs and as external examiners. An exclusive feedback mechanism is maintained for Alumni where VCE will collect feedback through online mode during regular intervals and also during alumni meet every year. We also collect feedback from faculty on various teaching learning resources, curriculum, and department and institute level facilities. The feedbacks then collected from various stakeholders are then analyzed, discussed and appropriate actions are initiated at various bodies including the Department Academic Committee, Academic Council, Governing Body etc. Feedback assessment is done based on E - Excellent, G - Good, A - Average, P - Poor for the questionnaire provided. The stakeholders also have an option of providing remarks if necessary. The responses given by all the stakeholders are consolidated and evaluated on a four point scale. The feedback thus obtained is sent to the principal and concerned Heads of the Department for further action. In addition to all these feedbacks, course feedback and CRC Feedback are</p>

considered where faculty assessment is done based on various skills they possess to present their subject during that semester. Faculty who got less than 3 on a 5 point scale are addressed specifically. Subsequently, the information is disseminated to the concerned departments. The complete templates and procedures for feedback system is available at <http://www.vaagdevi.edu.in>.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	PSCA Shift-I	30	20	20
Mtech	Power Electronics Shift-II	30	17	17
Mtech	Power Electronics Shift-I	30	20	20
BTech	CSE	240	234	234
BTech	ECE	240	140	140
BTech	Mechanical Engineering	180	18	18
BTech	EEE	180	36	36
BTech	Civil Engineering	180	68	68

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3042	485	210	86	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
296	207	6	43	11	6

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

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. 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. 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. 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. 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 in mentoring activities. In spite of some difficulties faced by the teachers and College, the mentoring of students is made compulsory in our educational institutions in the interest of students community.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3527	296	1:11.9

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
296	296	0	14	57

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Ch. Raju	Assistant Professor	QIP Ph.D.Admission MNIT nagapur
2019	Dr.Nishu Gupta	Assistant Professor	Post Doctoral, Delegado de Coodinacion y Estrategia Universitaria
2019	Dr. B. Dhurga Harikiram	Associate Professor	Teacher innovation award
2019	B. Ngaraju	Assistant Professor	Best researcher award IOSRD

[View File](#)**2.5 – Evaluation Process and Reforms**

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	00	I	10/12/2019	04/03/2020
Mtech	43	I	30/11/2019	04/03/2020
BTech	01	II	22/09/2020	07/10/2020
BTech	01	I	19/12/2019	04/03/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	787	0

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 in website of the institution (to provide the weblink)

<http://www.vaagdevi.edu.in>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1A01	BTech	Civil Engineering	166	163	98.2
1A02	BTech	Electrical and Electronics Engineering	122	120	98.3
1A03	BTech	Mechanical Engineering	90	87	96.67
1A04	BTech	Electronics and Communication Engineering	187	187	100
1A05	BTech	Computer Science Engineering	222	218	98.2
1E00	MBA	Master of Business Administration	100	96	96

No file uploaded.

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.vaagdevi.edu.in/igac>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

Dr. B Durga Hari Kiran

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Nishu Gupta	Post Doctoral Fellowship	01/02/2019	Delegado de Coordinacion y Estrategia Universitaria, Spain
National	Mr. Ch. Raju	PhD at VNIT Nagpur under QIP	01/07/2019	Government of India Under QIP

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	6	AICTE Grant for STTP	1.23	1.23
Minor Projects	365	Collaborative Research Scheme JNTUH under TEQIP-III	2	1
Minor Projects	365	Collaborative Research Scheme JNTUH under TEQIP-III	2.5	2
Minor Projects	365	Collaborative Research Scheme	2.55	2

		JNTUH under TEQIP-III		
Minor Projects	365	Collaborative Research Scheme JNTUH under TEQIP-III	2.94	2
Minor Projects	365	Collaborative Research Scheme JNTUH under TEQIP-III	3	2
Any Other (Specify)	730	PLEXIM, Switzerland Sponcered Software License	13.48	13.48
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

10

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Session on Ease of doing Business and Ethics in Business	MBA	05/07/2019
Site visit to Commercial complex building using Pre stressing techniques	Civil Engineering	26/07/2019
Seminar on Advanced Finite Element Analysis	Mechanical Engineering	16/08/2019
Advanced Modeling and Simulation of Power Electronic Systems	Electrical and Electronics Engineering Department	26/08/2019
Seminar on Quantity Surveying and NDT	Civil Engineering	29/08/2019
Seminar on How to crack GATE/IES/IES/PSUs and career aspects after B.Tech.	Mechanical Engineering	30/08/2019
R Programing	Electrical and Electronics Engineering Department through IIT Bombay Remote Centre	09/11/2019
Motivational Talk for students under ISTE STUDENTS chapter	Electronics and Communication Engineering	22/01/2020
Workshop on Softskills	Computer Science and Engineering Department	28/02/2020

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Waste Water Treatment- Its Journey to Treatment and return to Environment	K. Manikanta, A. Rakesh	Rein4Z19, Talla Padmavathi College of Engineering	08/11/2019	Student
Graphene	G. Abhinay B. Ramakrishna	Rein4Z19, Talla Padmavathi College of Engineering	08/11/2019	Student
Teacher Innovation Award	Dr. B. Durga Hari Kiran	Parivarthan and HDFC bank	30/09/2019	Teacher
Wission Talks 11.0	K.Chandrashekar	Wission Talks CEO-Prudhvi	25/09/2019	Student
Women Researcher Award	P.Shailaja	Elsevier Social Science Research Network Research Awards	14/03/2020	Teacher

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
VAAGDEVI INCUBATION AND BUSINESS ACCELERATOR (VIBA)	Jayasurya Valusa	VIBA and Bootstrap	Olokart	AgriTech	20/06/2020
VAAGDEVI INCUBATION AND BUSINESS ACCELERATOR (VIBA)	Nikhil Kathi	VIBA and Boo tstrapsamsth ithi	Samsthithi	Offline Ecommerce	13/06/2020

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communications Engineering Department	1
Computer Science and Engineering Department	2
Masters of Business Administration Department	1
Basic Sciences and Humanities	2

Department

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering Department	19	0.11
International	Electrical and Electronics Engineering Department	8	1.12
International	Mechanical Engineering Department	4	0.25
International	Electronics and Communications Engineering Department	25	0.94
International	Computer Science and Engineering Department	13	0.33
International	Masters of Business Administration Department	1	0
International	Basic Sciences and Humanities Department	8	0.24

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Basic Sciences and Humanities Department	1
Masters of Business Administration Department	1
Computer Science and Engineering Department	4
Electronics and Communications Engineering Department	9
Mechanical Engineering Department	3
Electrical and Electronics Engineering Department	11
Civil Engineering Department	1

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A System to Diagnose One or	Filed	202041020407	14/05/2020

More Diseases			
Hand belt to detect drugs.	Filed	325589-001	01/06/2020
Self Heating Tiffin	Filed	324892-001	20/12/2019
An Advanced Incremental Association Rule Mining Process In Case of Support Chance	Published	201941043677	29/11/2019
An Advanced Incremental Association Rule Mining Process In Case of Data Deletions	Published	201941043678	29/11/2019
An Advanced Incremental Association Rule Mining Process In Case of Data Insertions	Published	201941044028	29/11/2019
System and Method for Facilitating the User To Perform An Emergency Transaction	Published	201941042304	18/10/2019
Digital Flower Pot	Published	316291_001	05/07/2019
Mining Positive and Negative Association Rules From Multi Database in Distributed Environment	Published	201941017540 A	05/10/2019
Smart Alert System for Proactive Monitoring of Patient Medication	Published	201941023096	28/06/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Study on Water Distribution Network in Around Rural and Urban	A.Ashok, Akhil Gurijala	International Journal of Advanced Science and Technology	2020	1	Vaagdevi College of Engineering	0

Areas					
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Study on Water Distribution Network in Around Rural and Urban Areas	A.Ashok, Akhil Gurijala	International Journal of Advanced Science and Technology	2020	3	0	Vaagdevi College of Engineering
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	521	36	8
Presented papers	28	2	0	0
Resource persons	3	7	0	2
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering Department	Soil testing (5 Bore holes)	Rudra Constructions	25000
Civil Engineering Department	Soil testing (5 Bore holes)	Amarnath Constructions	25000
Civil Engineering Department	Soil testing (3 Bore holes)	AS Associates	15000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Civil Engineering Department	Total Station	Amarnath Constructions	7500	5
Civil Engineering Department	MIDAS-Gen	AS Associates	9000	3

Electrical and Electronics Engineering Department	Training on troubleshooting of PV Controllers	Sri Surya Solar Works	6000	4
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Nirvana 2K20, Awareness on Child Welfare and Sexual Abuse	EEE Department	4	20
A Rally on Say no to Tobacco and Alchohol	Dept of Business Management, Vaagdevi college of Engineering Autonomous	5	150
Workshop on "Drug Abuse Prevention"	NSS Unit and Revenue Department, Bollikunta	19	426
Rastriya Ektha Dewas	NSS Unit and Revenue Department, Bollikunta	24	200
Visit to Inavolu Govt High School and village for social awareness program	NCC Unit, Bollikunta	2	75
Trees watering by cadets	NCC Unit, Bollikunta	3	10
Kargil Vijay Diwas	NCC Unit, Bollikunta	10	59
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood donation	Blood Donation Certificate	MGM hospital, government of Telangana	7
Online city Ambassador-	Internship certificate	Samagra Foundation- Vasudhaiva Kutumbakam	2
Blood donation	Blood Donation Certificate	Indian Red Cross Society	4
Cultural Dance	Certificate of	Telangana Sangeetha	1

[View File](#)

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
A Rally on Say no to Tobacco and Alcohol	Dept of Business Management, Vaagdevi college of Engineering Autonomous	Healthy We	5	150
Self protection of girl students (DISHA-DASHA Program)	NSS Unit and Revenue Department, Bollikunta	Self protection of girl students (DISHA-DASHA Program)	14	300
National Unity Day	NCC Unit, Bollikunta	National Unity Day	2	80
Tree Plantation	NCC Unit, Bollikunta	Haritha Haaram	3	60

[View File](#)

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research Collaboration with Univ. of North Carolina at Charlotte	R. Bharathi Murugan	Vaagdevi College of Engineering	365
Research Collaboration with Indian Institute of Technology Guwahati	Y Sudheer	Vaagdevi College of Engineering	180
Research Collaboration with JNTU Hyderabad	Ch. Kasi Rama Krishna Reddy and K. Rajinth Kumar	JNTU Hyderabad	365
Research Collaboration with JNTU Hyderabad	M. Vishnu Prasad	JNTU Hyderabad	365

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant
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		details			
Industry Institute Collaboration	Project Work/ Internship	TVS Training Center	27/01/2020	31/01/2020	29
Industry Institute Collaboration	Project Work/ Internship	Electric Loco Shed Kazipet	05/10/2019	18/10/2019	12
Industry Institute Collaboration	Project Work/ Internship	ICADD	27/05/2019	26/06/2019	22
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Go Hexa Technologies Private Ltd., (HEXA)	13/06/2020	Training/Internships	19
Aliens Group	10/06/2020	Placements	11
Kudoswall Private Ltd.,	13/05/2020	Training/Internships	24
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
259.5	85.41

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

Classrooms with Wi-Fi OR LAN	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Genesis Techsystems Pvt Ltd (SKOLO Software)	Partially	M/s Genesis with JAVA Version	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	10535	62956	84	112	10619	63068
Reference Books	651	652	72	73	723	725
e-Books	388	388	0	0	388	388
Journals	254	254	0	0	254	254
e-Journals	3227	3227	0	0	3227	3227
CD & Video	6875	6875	0	0	6875	6875
Library Automation	0	0	0	0	0	0
Weeding (hard & soft)	157	157	8	8	165	165
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
All Teaching faculty	Academic Course Content	SKOLO LMS	14/03/2020
All Lab faculty	Laboratory Experiments	SKOLO LMS	14/03/2020
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1254	1081	1254	30	60	10	13	505	60
Added	67	0	67	0	0	4	3	0	60

Total	1321	1081	1321	30	60	14	16	505	120
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

155 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101	https://youtu.be/nSy-9V3UH-Y
Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101	https://youtu.be/EZyeJzn6Ufo
Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101	https://youtu.be/2TgMTVYnZcc
Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101	https://youtu.be/7j99JSQPwB0
Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101	https://youtu.be/E9OTL7fUfeM
Projector LCD Speakers Mic Web Cam Video camera Team viewer for e-communication Systems with high speed net	https://youtu.be/ksmglyU11Fw
Projector LCD Speakers Mic Web Cam Video camera Team viewer for e-	https://youtu.be/c77yDsGlmLA

<p>communication Systems with high speed net</p>	
<p>Projector LCD Speakers Mic Web Cam Video camera Team viewer for e-communication Systems with high speed net</p>	<p>https://youtu.be/PX2KouPXPOc</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/6Doq19A5-K0</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/lrEixxgaWI4</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/3UlhunnM9k8</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/7TfL3H-nmcg</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/8LuMDKkT-lM</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/plQCFDe-MI0</p>

<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/mcD7o0ByzYA</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/hkXgdalCY8Q</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/xk0Uby5p7q4</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/SshrHE-hETo</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/k3t-kmHMbVo</p>
<p>Projector LCD Speakers Mic Web Cam Video camera Best Video Editor Software Plan : Single-User Personal License Product : Wondershare Filmora (CPC) Expiration Date : Lifetime Limit : Devices-1 Order Numbers : Q191113185354966101388 Q191113185645146101</p>	<p>https://youtu.be/ZKEoxCS6CUw</p>

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
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226.28

311.38

99.02

291.65

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

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.

1. 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.
2. Services: The College outsources the services such as gardening, cleaning and washing of classrooms, laboratories, toilets, verandas and surroundings as may be required.
3. Campus security: Campus Security is outsourced to a licensed security agency based at Warangal for 24 hours, round the clock in 3 shifts.
4. 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.
- A series of process maps and SOPs have been developed for maintenance and various purchase activities connected to infrastructural maintenance.
- 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.

<https://www.vaagdevi.edu.in/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Vaagdevi Scholarship	220	6168500

Financial Support from Other Sources			
a) National	TS Fee Reimbursement	2237	38841000
b) International	NA	0	0
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Guidance for competitive examinations,	17/06/2019	644	Vishwa Academy,
Career Counselling,	17/06/2019	1281	Inhouse Faculty of Vaagdevi College Of Engineering
Yoga and Meditation	21/06/2019	284	Dept of physical Education,
Language Lab	17/06/2019	2350	in house language lab no:A329, 330
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guidance for competitive examinations	644	0	64	0
2019	Career Counselling	0	1281	0	415
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

32	600	387	6	140	29
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech	Civil Engineering	NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA	M.Tech
2020	1	B.Tech	Mechanical Engineering	CQ university, Australia	Master of Management for Engineers
2020	1	B.Tech	Mechanical Engineering	University of Central Lancashire	Master of Science in Mechanical Engineering
2020	1	B.Tech	Mechanical Engineering	University of Central Lancashire	Master of Science in Mechanical Engineering
2020	1	B.Tech	Mechanical Engineering	Wrexham Glyndwr University	MSc Engineering (Automotive) with Advanced Practice
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	7
GATE	2
SLET	43
Any Other	17
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
VAAG Kreedaa 19	Institute Level	800
Vaag tarang19	Institute Level	650
VAAG Sports meet 20	Institute Level	1400
Traditional day 20	Institute Level	800
View File		

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)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Bronze medal	National	1	0	18641A0156	Vemula rishitha
2019	Nruthyaratna	National	0	1	17641A0553	CH.CHANDAN A
2019	Appreciation	National	0	1	19641A0516	S.Vyshnavi

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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 liaisoning 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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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.

5.4.2 – No. of registered Alumni:

4302

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

3

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The institute practices a very transparent decentralized procedure in all academic aspects including Administration, Management and Finance. The institute has a Governing Body to formulate service rules and policies which meets all AICTE norms and equally applied from higher level to lower level management. The governing body constitutes various committees such as Academic Council, Finance Committee, Board Of Studies and delegates responsibilities as per the requirements for the smooth functioning of the institute. The governing body conducts regular meetings with the different committees, principles, head of the departments, University nominees and industry experts for major decision making regarding academics, finance, research, innovation and teaching learning process. The principal as head of the institution with a team of all Deans such as Dean Academics, Dean Administration, Dean Training and Placement, Dean Exams and Evaluation, Dean Research and Development and Dean IIIC ensures the progressive functioning of the institute. This decentralized mechanism not only exists at institute level but is also implemented at department level. Every department is led by head of the department who has the complete decision making authority for the department. Every department has an Academic Coordinator to plan and execute all department level activities. Departments have several committees like Department Review Committee, BOS, Class Representative Committee. All these committees together involve in decision making at department level for various activities and for smooth functioning of academics. The institution stakeholders exercise participative management by being active members in various institute level committees. These committees also include University nominees, industry experts, educationist, legal experts and alumni. The institute conducts regular meetings and encourage faculty, students, non teaching staff, alumni and department coordinators to share their ideas, issues and challenges which are taken as input for future decision making.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>The institute has Academic Advisory Board and Board Of Studies which AIMS at academic excellence by framing innovative curriculum and incorporating all educational objectives. The course scheme and syllabus are designed in inclination with current technical and industrial needs and developed in line with program outcomes and program educational objectives. The curriculum is carefully designed and modified after conducting series of review meetings by the BOS members. Latest and trending technologies are introduced as program electives and general aspects are introduced as open electives. Certification courses and project based learning are made mandatory along with regular syllabus contents. The curriculum is finally approved by all BOS members and brought into action for implementation.</p>
Teaching and Learning	<p>As initiated by AICTE entire teaching and learning process today concentrates on outcome based education and use of modern pedagogical tools to make the environment more user friendly to learn as well as teach. The institute has established classrooms with smart boards and LCD projectors and with all necessary audio and video equipments. The labs are made well established to give hands on experiments on real time applications. To check if educational objectives are really met or not the course outcomes are mapped with program outcomes. This mapping gives attainment values to justify the quality of teaching and learning process.</p>
Examination and Evaluation	<p>The major reform in examination and evaluation is the transformation to online application and assessment system. Exam applications and fees are received online and hall tickets are also issued online. Coding and decoding of answer booklets is done based on OMR code. Continuous evaluation is done in the form of unit wise test, assignments, projects conducted time to time. The practical knowledge of students in real time applications is</p>

evaluated in the form of mini projects, internships and major projects. Students are now evaluated on the basis of grades rather than percentages. Comprehensive viva, seminars and project viva voce are considered to assess the subject knowledge and presentation skills of students

Research and Development

Institute has a separate research and development wing with a Dean and one representative from every department to promote and encourage research among faculty and students. Continuous programs are organized to sensitize about the opportunities and challenges in modern research methodologies. The RND team continuously works on funded projects and grants from AICTE and MHRD to develop strong research in the institute. We have received more than 1 crore rupees from various government and international funding agencies towards research project implementation. A separate research centre is established at every department level to continue research on a regular basis. These research centres collaborate to work on inter disciplinary research projects also.

Library, ICT and Physical Infrastructure / Instrumentation

Institute has computerized Central library with complete classification of books and bar coding. The central library has a collection of 65,000 books 3,227 reputed e- journals (IEEE, J-Gate, Delnet), 254 print journals and 3,454 e-books. Library provides public access to all the journals and has exclusive internet with bandwidth of hundred mbps. Institute has adequate infrastructure facilities for teaching learning with latest ICT enabled classrooms and LAN facilities.

Industry Interaction / Collaboration

The organization has Industry Institute Interaction Cell (IIIC) which AIMS at interaction between technical institutes and industry to bridge the gap between academics and current needs of industry. Internships are the prestigious outcomes of IIIC which gives students a chance to work with industry during their course completion itself. IIIC promotes industry experts to participate in curriculum design and plan short term courses which play a very significant role in making the student compatible to industry requirements. IIIC also focuses on

memorandum of understanding with different organisations which can help students in training and placement. IIIC has been given 5 star rating under MOE IIC 2.0.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<p>The various planning and development activities are maintained time to time. This includes scheduling of governing body meetings, conducting of meetings, drafting and maintaining the minutes of meeting, and their approvals. Regular messages, emails and reminders are sent to students as well as faculty regarding different issues of academic development.</p>
<p>Administration</p>	<p>The administration module provide support in everyday activities of the institute with respect to students, faculty and all academics. All the information of faculty pertaining to their work load, various types of leaves, welfare schemes, roles and responsibilities and they self appraisals are maintained in this module. Faculty requirement is regularly verified and recruitments are performed as per norms.</p>
<p>Finance and Accounts</p>	<p>Institute uses skolo app to support e-governance in various operational areas for a better transparency, control and productivity. The payroll module of this app maintains all the pay slips of faculty both teaching and non teaching which includes the basic pay, HRA, DA and other credentials and generates salary slip monthly. This app supports special module for students to help them in payment of their fees , generating fee receipts and sending message to parents regarding fee dues. This module also maintains invoice of all payment details for different kinds of purchase made.</p>
<p>Student Admission and Support</p>	<p>The skolo app has separate admission module for students which makes the entire admission process automated and easy. All the student applications are received along with their details regarding Aadhar card, PAN card, qualifications, bank account details, address details which are stored for further correspondence. Every student is allotted a separate user id and</p>

password in this skolo app which helps them to check their class timetables, attendance and assignments. This module continuously posts notifications and announcements to students regarding their internal examinations, external examinations and any special events conducted the college. For the benefit of students this app also has a special counseling module where students can be in regular contact with their mentors and seek their help in academic and other issues.

Examination

The examination module provides all necessary functionalities for students starting from examination fee notification, followed by payment of the exam fees. Examination schedule is also displayed online and all the regulation details with course structure and previous question papers are made available to help students in exam preparation. During the time of exams this module also helps in providing the seating arrangement to students and the results are also generated and displayed online for or the easy access of students. All the hall tickets, memos and other student credentials are maintained and issued online.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	M. Shiva Prasad	International Journal of Research	NA	8000
2019	Dr. Shinde Ramdas Jitesh	ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and management Applications to Electrical, Electronics and Computer Science and Engineering	NA	8000

2019	M.Mahesh	To publish paper in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-4, 2019, pp: 2467-2474.	NA	8000
2019	Dr.Pankaj Rangaree	International Journal of Telecommunications Emerging Technologies.	NA	8000
2020	Dr. M. Ranjeeth	Journal paper published in International Journal of Communication Systems	NA	8000
2020	Nagaraju Budidha	NA	IEEE	7000
2020	D. Bepari	Wireless Personal Communications	NA	8000
2020	Dr. Hemant kumar gupta	Journal Paper published in Scalable Information System	NA	8000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Five days FDP on SCI lab in association with IIT Bombay	NA	25/05/2020	30/05/2020	684	0
2020	Two Days Faculty Development Program On	NA	29/05/2020	30/05/2020	422	0

	Artificial Intelligence And Machine Learning					
2020	Technical Webinar on "Design Approaches for Front End VLSI Design	NA	23/05/2020	23/05/2020	246	0
2020	NA	A Three day Training program on Virtual Labs	19/05/2020	21/05/2020	0	30
2019	A Five Days Faculty Development Programme on Contemporary issues in Civil Engineering	NA	16/12/2019	20/12/2019	64	0
2019	Five Day FDP on Programming with Python	NA	11/06/2019	15/06/2019	85	0

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Research methodology and IPR	6	05/08/2019	09/08/2019	5
FDP on Online Tools and Softwares for Remote Teaching and Learning by UGC HRD, JNTUH	9	24/04/2020	25/04/2020	2
2 days workshop on "Online Tools Software for Remote Teaching -	10	24/04/2020	25/04/2020	2

Learning				
A Three Day National Level seminar on "Deep learning for engineering applications", organized by Department of Electronics and Communication Engineering, KITS warangal.	7	06/01/2020	08/10/2020	3
A 7th International conference on Transformation in Engineering Education.	6	05/01/2020	08/01/2020	4
Latex training Programme	1	01/01/2020	01/05/2020	121
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
316	316	109	109

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Centre , Water Purifier across the campus , Hall for Yoga and Meditation,Subsidised and free Transportation beyond working hours	Health Centre , Water Purifier across the campus , Hall for Yoga and Meditation,Subsidised and free Transportation beyond working hours,LIC,ESI	Health Centre , Water Purifier across the campus , Hall for Yoga and Meditation,Subsidised and free Transportation beyond working hours, Subsidised rates in Canteen,Bicycles arranged to move in the Campus

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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 management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUH	Yes	IQAC Cell
Administrative	Yes	JNTUH	Yes	IQAC Cell

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. The counselling psychologists in VCE are trained professionals whose primary focus is to help and guide students who are experiencing mild personal, emotional, and social problems. 2. Educating parents and students on severe emotional disturbances and guiding them in Education, Absenteeism, Career, Life, Mental Health, Food Sleep Disorder, Substance Abuse like drugs, smoking and drinking etc, Anger Management with self others. 3. Family Issues like parents health, Finance, Personal Issues like love, Infatuation, Addictions like Gadgets, Alcohol, and Porn etc. are also discussed. If needed we will be interacting with parents personally for the betterment of a student.

6.5.3 – Development programmes for support staff (at least three)

1. Provided training on SKOLO LMS. 2. Enlightened them regarding digital transactions and precautions to be taken for online transactions. 3. Educated them regarding COVID-19 precautions (Online Mode).

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Provided training for Faculty on usage of SKOLO LMS, ICT Tools and preparation of recording lectures and laboratory experiments. 2. Applied and got sanctioned for New Emerging Courses such as CSE in Artificial Intelligence and Machine Learning, CSE in Data Science 3. Revision of Curriculum R20 for all UG Courses 4. Submission of AQAR for 2018-19 2019-20 5. Applying for NBA

Renewal for eligible courses.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	A Seminar on Enhancing Quality In Academic Research	03/06/2019	03/06/2019	03/06/2019	46
2019	Awareness programme on Quality Enhancement through Innovations in Teaching Methodologies	02/11/2019	02/11/2019	02/11/2019	48
2019	NSS Programme "Kill the cancer awareness elocution program" in association with ISKCON.	03/12/2019	03/12/2019	03/12/2019	100
2019	Vaagdevi Student Roar In Angst For Women Safety Laws" Programme covered by NTV	07/12/2019	07/12/2019	07/12/2019	150
2019	National innovation startup policy awareness workshop"	09/12/2019	09/12/2019	09/12/2019	150
2020	One Day Workshop On "DRUG ABUSE PREVENTION" National Service	06/01/2020	06/01/2020	06/01/2020	426

	Scheme Cell, JNIU Hyderabad (BSH)				
2020	NIRVANA-2020 Awareness on child welfare and sexual abuse	05/03/2020	05/03/2020	05/03/2020	150
2020	Webinar on U nderstanding Research: Types of Plagiarism and how to avoid it	18/05/2020	18/05/2020	18/05/2020	42
2020	Webinar on Placement Op portunities in ECE Post COVID-19: Future Scenario and Past Trends	23/05/2020	23/05/2020	23/05/2020	198
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day Celebrations	07/03/2020	07/03/2020	136	18
Child Abuse Awareness Program(Nirvana 2020)	05/03/2020	05/03/2020	59	26
Acid Attack And Drug Abuse Awareness Program	22/02/2020	22/02/2020	104	128
Debate On women safety(disha dasha)	05/12/2019	05/12/2019	227	231
AIDS Awareness	02/12/2019	02/12/2019	134	188
Rashtriya Ekta Diwas	31/10/2019	31/10/2019	72	48
Carrier guidance and civil services	07/08/2019	07/08/2019	116	170

Sexual abuse Prevention for girl students	09/07/2019	09/07/2019	95	56
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7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
43.7

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	11/01/2020	1	Power of Youth	Youth role in society	96
2019	1	1	15/10/2019	1	Science and Technology	Awareness programme on science and technology for rural development	89
2019	1	1	09/03/2019	1	Awareness on Nature	Each one Plant One	105
2019	1	1	30/08/2019	1	Awareness on using Natural resources	Clay Ganesh idol distribution	95
2019	1	1	08/04/2019	1	Social Awareness	Visited blind	32

					on Humanitarian Values	school	
2019	1	1	29/07/2019	1	Awareness on Nature	World Nature Conservation Day	75
2019	1	1	09/07/2019	1	Health Awareness	Awareness Programme on Viral Fevers	62
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Anti Plagiarism Policy	16/05/2019	To Ensure Quality Thesis and publications from faculty and students
Human values and professional ethics course	03/06/2019	This course is introduced as mandatory course for the students in the curriculum

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic day	26/01/2020	26/01/2020	350
Youth day	13/01/2020	13/01/2020	100
National Education Day	11/11/2019	11/11/2019	130
Engineers day	16/09/2019	16/09/2019	200
Independence day	15/08/2019	15/08/2019	400
International day of Yoga	21/06/2019	21/06/2019	250
UBA (Unnat Bharat Abhiyan) Central Govt. Initiative Activity: Village and House hold survey in Punnell village	05/08/2019	20/08/2019	100
UBA (Unnat Bharat Abhiyan) Central Govt. Initiative Activity: Village and House hold survey in Chennaram village	05/08/2019	20/08/2019	100
UBA (Unnat Bharat Abhiyan) Central Govt. Initiative Activity: Village	05/08/2019	20/08/2019	100

and House hold survey in Lohitha village			
UBA (Unnat Bharat Abhiyan) Central Govt. Initiative Activity: Village and House hold survey in Ramakrishnapuram village	05/08/2019	20/08/2019	25
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Solid waste management: Keeping in view the Swachh Bharat Mission the institute uses two bin system to segregate wet waste and dry waste separately which are properly placed throughout the campus. This waste is collected in regular intervals in order to avoid any environmental pollution. To make the students and faculty equally responsible in making the campus eco friendly "Clean and Green" program is taken up frequently. This 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 process of decomposition every care is taken so that there is no odour, flies or leaching of contaminants because improper disposal of solid waste can create unsanitary conditions.

Liquid and E-Waste management: The different liquid wastes that can get generated in the campus include Sewage, Laboratory, hostel and canteen effluent waste. The College takes necessary care regarding the management of these liquid wastes and also the chemicals or other materials which may turn out to be hazardous in nature. All the Faculty supporting staff are sensitized about possible dangers that may occur due to 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. The rain water is diverted to rain water harvesting plants built nearby the buildings. E-waste management is ensured by taking care that no discarded computers or printers are lying idle in the office premises. Use of CDs is replaced by USBs wherever necessary to increase the capacity of RAM, and to produce less e-waste. E-waste collectors visit the campus for taking over such debris, if any, available and destroy it in environment-friendly mode.

Solar Energy Generator: Save energy for a bright future must always be a important practice for any institute. In this aspect institute has installed a "Solar Plant" of 250 KWp on the roof top of B-Block, and is connected to grid. This will enable the institute to have 24x7 power supply. Institute will phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights. These steps will not only save the money but make the institute self sustainable. Energy audit is also made frequently.

Rain water harvesting: The institute has a well structured rain water harvesting and sustainable water management which is the combined use and storage of surface and ground water. Reservoirs and deep bore wells are created to achieve more efficiency in water usage and alleviate ground water levels. A network of pipelines is arranged for each building to send the rain water to the underground sumps/water harvesting pits and supply of water to Laboratories and public places and also toilets. Institute has a water treatment plant is on

the top of a building and the bore-well water will be purified there and this purified water is supplied to all the inmates of the campus viz., students, teachers, staff and employees round the clock. The used water is diverted in such a fashion that, the drained water sinks into the land without gathering at a place and avoids formation of mud and stink.

Green Practices: The Institute attempts to be a Green Campus by adopting various "Green Practices" as integral part of its campus life. ? **Transport:** The campus of the institute is partly residential and over 25 of the students avail the hostel facilities in campus. 10 live in the vicinity of the campus, 50 of the students avail of the bus facility exclusively provided by the institution. Exclusive transport facility is provided for staff also. College vehicles are frequently checked for pollution by the authorized agency. ? **Walkways and Pedestrian Friendly Roads:** The campus areas have been designed with the concept of open spaces including roads, foot-paths, and walkways. There are clear pedestrian friendly footpaths throughout the campus all roads are CC roads. A safe 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. ? **Paperless communication:** Several initiatives have been implemented to significantly limit paper usage such as cashless transactions, issue notifications through SMS, Whatsup, e-mail and Website, etc. Different kinds of surveys, feedback from students, parents, leave forms, payrolls etc., all have been are made online, through Google forms/Google docs. All the Academic submissions of students are also made by the campus automation system and other interfaces submissions. The use of paper is curtailed to the possible extent.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practice 1: Progressive and Holistic Growth of Students: The primary goal of this practice is to impart quality education to all the students and give practical exposure to upcoming technologies and make the student a successful and independent individual. To enable the holistic development of the student, the institute will conduct a Goal Survey Called as Student Goal Survey (SGS) right from the first year of their study. In this survey, students will give opinion on their future goals such as software, core, start-up, entrepreneur and business etc. The institute will then sort out all the opinions and starts training the students to achieve their goals. The students are given strong academic foundation which forms a base for their next step of progress. Students are encouraged to upgrade their knowledge in all global technologies. Special concentration is made on communication skills and soft skills of students which helps them to develop leadership qualities. Eminent personalities from reputed institutes and industries are specially invited to impart the practical knowledge to students through workshops, seminars, symposium, guest lectures etc. Regular coaching classes for GATE, CIVILS, GRE, TOEFL,IELTS, and other competitive exams are conducted by the college to encourage the student for higher studies and to grab government jobs. In this regard Institute already received a special fund of rupees 8.92 lakh from AICTE in the name of Prerana Scheme especially for SC/ST students. The number of students securing good percentile in GATE and getting admission into M tech in NIT, IIT and Universities has also increased considerably. Institute has proudly launched VIBA: Vaagdevi Incubation and Business Accelerator which is an entrepreneurial interface with an agenda to foster entrepreneurs and flourish and aura of entrepreneurship among students. VIBA already has 7 successful

startups namely AVASYU, OLAKART, Samsthithi, UpSkoolValley, Winventive, LAALM and Smart Fabrics. Institute also has very strong student branches of IEEE, CSI, ISTE. The student branches provide opportunities to participate in regional conferences, workshops and competitions. This helps in developing leadership, interpersonal and team building skills of students. IEEE student branch has conducted more than 500 guest lectures and many flagship events on trending technologies and socio-economic aspects. Students are recognized by the section and India council and regional level as ambassadors for bringing the technology towards humanitarian. Best practice 2: Learning Beyond Curriculum

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. 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. Also, the students are motivated to share their ideas with the outside world by presenting their research work in National/International conferences. In order to achieve the best possible outcome, the mentors of the institute play a major role. The mentors will motivate the students and develop confidence to take up challenging tasks in their lives and help the society in national built up. 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 the semester, students work collaboratively on assignments and projects in small groups and submit the same to the department.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.vaagdevi.edu.in/igac>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The vision of the institutes states "Striving continuously for global recognition through academic excellence in higher education for the betterment of society." To reach the goal and achieve the vision, the institute priority and thrust resulted in a special distinctive program named "SEEK: Skill for Employability and Enhancement of Knowledge". The success of an Educational institute always depends on the overall growth and success of its student. Apart from regular curriculum courses every student must acquire some extra Technical Skills, Communication and soft skills, programming and networking skills and many more to bridge the gap between academics and industry. The (SEEK) program is an initiative to empower the students with skill sets which make them more employable and more productive in their work environment. Under SEEK program, institute offer 40 to 50 hours of free hands-on training and certification in various courses beyond the curriculum and the Certificate is issued by a globally recognized institution/firm. Students are allotted with separate schedule every Saturday for SEEK classes where in their choice is made top priority and training is provided on a continuous basis. The student understanding is also assessed by conducting series of tests and presentations. Some of the excellent and outstanding courses are: • CISCO Certification: under

this course students are trained on various modules of networking, IT Essential, IoT Fundamentals, Introduction to Cyber Security, Packet Tracer, Big Data Analytics and many other programming languages and operating systems. Students are given all necessary training by the department faculty who themselves are trained and certified under CISCO and also industry professionals. 74 Students have successfully completed the training and certified by CISCO. • DELL EMC-ICT Academy: ICT Academy has partnered with DELLEMC External Research Academic Alliance to prepare the next generation of IT professionals. College has an institutional membership through which students are offered unique 'open' curriculum-based education on technology topic such as cloud computing, big data analytics. This course provides 40 hours of content including formal training and additional real-world experience. 100 Students have successfully completed the training and certified by DELL EMC. • Texas Instruments: Institute provides certificate under Texas Instruments University Program dedicated to students on semiconductor design. Internship program @ TI Centre for Innovation provides Internship to students in three important aspects of Embedded Design: Ultra Low Power design, Real Time Systems design and the Internet of Things. 202 Students and 55 faculties have successfully completed the training and received the certificate. • NPTEL: provides online courses and assessment on various current technologies. Faculty first complete the course get certified and as mentors' give training to students and make them certified in these courses. • Many Certification courses have been completed for Civil Engineering students under SEEK namely design and detailing using Midas - Civil and Midas - Gen, finite element modeling using Midas - FEM and structural drafting using Auto CAD. • Pro-E ANSYS - Certification Programs for Mechanical Students was completed under SEEK program.

Provide the weblink of the institution

<http://www.vaagdevi.edu.in/iqac>

8.Future Plans of Actions for Next Academic Year

- Institute is planning to introduce new courses for B.Tech and M.Tech on Artificial Intelligence, Machine Learning, Data Science and Cyber security which are among the buzzing technologies of the current world.
- Planning for MOU's with Foreign Universities for student and faculty exchange for research collaboration for a shorter period for knowledge sharing.
- Planning to establish Center Of Excellence.
- Planning for various global academic programs with companies like RedHat, VMWare, GoDaddy, blueprism and cyber security. These programs help students to get skill based training in emerging areas and build their job profile during the course period itself.
- Planning to increase the MOU's with premier Institutions which can allow internships to students and upgrade collaborative activities in the institute.
- Planning to get more funded programs from AICTE like FDP, STTP, Workshops and Conferences through which institute can lay a platform for faculty around the globe to be educated and trained in current technologies.
- Planning towards obtaining more research projects from different government and nongovernment funding agencies.
- Planning to establish a separate data center at institute level for supporting single point access to entire data.
- Planning to establish a new lab for cloud computing and IoT.
- Planning to set up Solar Street Lights throughout the campus.