



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		VIDYAVARDHAKA COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr. B SADASHIVE GOWDA
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08214276235
Mobile no.		9945650016
Registered Email		principal@vvce.ac.in
Alternate Email		sadashivegowdab@gmail.com
Address		Gokulam 3rd Stage, Mysuru - 570 002
City/Town		MYSURU
State/UT		Karnataka
Pincode		570002
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Shilpa R
Phone no/Alternate Phone no.	08214276253
Mobile no.	8494941201
Registered Email	shilpa.r@vvce.ac.in
Alternate Email	shilparag19@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://vvce.ac.in/wp-content/uploads/2021/01/AQAR-2018-19.pdf
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4. Whether Academic Calendar prepared during the year

if yes,whether it is uploaded in the institutional website: Weblink :	Yes https://vvce.ac.in/wp-content/uploads/2021/01/COE-2019-20.pdf
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5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.01	2018	02-Nov-2018	01-Nov-2023

6. Date of Establishment of IQAC

10-Oct-2013

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
Participation in NIRF	15-Feb-2021 1	3501
Academic and	24-Aug-2020	368

Administrative Audit (Internal)	12	
Stock Verification	07-Aug-2020 13	368
NBA accreditation (1st Cycle) for Civil Engineering and MBA Department (Peer team Visit for on-site verification)	28-Feb-2020 3	3501
Extension of accreditation status by NBA for 5 UG Programs	09-Feb-2020 1	3501
Annual Submission of AQAR	31-Jan-2020 1	3501
Revised Quality Assurance Reports	17-Dec-2019 60	368
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8. Provide the list of funds 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
Dr. G B Krishnappa	Project	BRNS	2019 730	3493400
Thamme Gowda C S	Project	KSCST	2019 365	6000
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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)

- Extension of accreditation status by NBA for 5 UG programmes (CSE,ECE,EEE,ISE,ME) was granted from 2020 to 2023, under TierII Category • Accreditation status granted for Civil Engineering programme from 2020 to 2023 • To inculcate self learning capabilities, IQAC encouraged for online certification courses such as NPTEL, Swayam, Course era etc. • Promotion of ICT usage in teaching learning process in various courses in all the academic programs of engineering/technology at both Undergraduate and Post graduate levels. • Webinars (Professional and Personal development, Health and Fitness, Stress Management) conducted for students and staff during pandemic. • Collected Feedback from various stake holders and analysed. • Conducted various awareness programmes and outreach activities addressing social issues. • Organized soft skills and personality development programmes for students to improve placement activities. • Introduced online student Mentorship.

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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
Number of patents planned to be filed - Planned Twenty	Number of patents filed - Twenty Six
Number of faculty to register online courses - Planned Seventy Five	More than Hundred faculties have completed online courses
To prepare the faculty and students during NBA visit	Successfully completed the visit and got accredited
To apply accreditation for Civil Engineering and Master of Business Administration Programme	Civil engineering programme got accredited after an expert team conducted on-site evaluation of the program from 28th February- 01st March, 2020
To submit compliance report of 5 UG programmes to NBA	Submitted applications and NBA committee visited on 9/2/2020 and extended 3 years of accreditation(2nd Cycle) to all the 5 UG programmes
Enhancing connectivity and Networking	The college has established smart classes with the primary aim of enabling the College community utilize technology to keep pace with the changing educational scenario and to create a synergy of knowledge and skills through networks across the globe. Implementation of e-governance in areas of administration is prioritized.
Eco friendly practices	Regular service programs are organized through Eco-Club. Plastic free campus is maintained. Extension activities are organized in the rural areas.

Sustenance and enhancement of quality	Academic programmes such as workshops, Time Management and personality development are conducted. Measures are taken to enhance the quality upon feedback. The faculty members are invited as Resource Persons to address legal issues in various educational institutions and organisations.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Council	07-Apr-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	26-Oct-2018
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	23-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The Institute has successfully implemented the ERP software to make paperless office to certain extent. It is hosted on private cloud with high levels of security and providing mobile Apps on Android, iOS. We are using ERP Software designed by Heraizen Technologies Pvt Ltd, Bengaluru. This ERP Software contains the following features 1. Academic Module : Which includes Timetable, Attendance, Calendar of events, Lesson plan, Student Counseling system is enabled (to monitor and advice the student to improve their performance continuously) Internal Assessment (Setting of IA question paper and entering question wise marks), Feedback (Faculty Feedback, Exit Survey and course end feedback), Faculty information system,
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Student information system. SMS integration has been done to send monthly Attendance status and IA marks, SMS after every IA (SUCCESSFULLY IMPLEMENTED) 2. Accreditation Module: Outcome Based Education (NBA module) (PARTIALLY IMPLEMENTED) 3. Admission Module: Capturing student details online through the module, Fee collection amp Tracking (Generating Fee Challan and issuing receipts online and also collecting fee through Heraizen Payment gateway is enabled) (SUCCESSFULLY IMPLEMENTED) 4. Administration: Leave Management system, Open notice board - Department and college level (SUCCESSFULLY IMPLEMENTED) 5. Hostel Module: Hostel Management system (PARTIALLY IMPLEMENTED) 6. HR Module: Faulty Appraisal Management system (PARTIALLY IMPLEMENTED) 7. Student Portal: Is enabled to view their COE, Time table, attendance, IA marks etc. (SUCCESSFULLY IMPLEMENTED) 8. Parent Portal: Parents can view their wards time table, attendance, IA marks etc. (SUCCESSFULLY IMPLEMENTED) 9. Report Generation: Generating reports of IA marks, Attendance, Individual student performance report, prescribed format like VTU report, DTE report, KEA report and KUPECA report (SUCCESSFULLY IMPLEMENTED) VVCE has inhouse software for maintaining student's information with the following features. • Complete student database. • Admission order generation of students admitted under Management Quota. • Attendance of all students' semester and subject wise. • IA marks of all student's semester and subject wise. • Student mentoring report generation. • Student and Parent Login to view details of Attendance and IA marks. VVCE has inhouse software to ease the process of conducting VTU theory examination. • Online filling of Exam Application Form. • Online Fee Payment. • Student's appearing list report generation for seating arrangement and Invigilator allotment. • Auto generation of Form B (Attendance Sheet) and Form A (consolidated Sheet). • Timetable Generation. • Consolidated work done statement generation for remuneration. VVCE has inhouse software to generate monthly payslip for the teaching faculty.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution ensures effective curriculum delivery through a well-planned documented process. A. Curriculum Planning The annual affiliation is granted to the Institute by the Visvesvaraya Technological University, Belagavi. The University process almost ensures that the curriculum released will be on par with industry standards. However, in some programs, due to rapid technological advancement a gap is created which needs to be addressed from time to time. When the University notifies the new curriculum, the Department Accreditation Committee (DAC) meets to study the gap in the curriculum and also identifies ways to bridge curriculum gap by organizing Guest lectures by eminent personalities in the relevant area, workshops, industry visits, and short term projects to impart quality education. B. Adherence to Academic Calendar Based on the university academic calendar, the Institute academic calendar is prepared by Principal, Dean Academics in consultation with Head of the Department (HOD). The same is uploaded on college website and displayed on notice boards to apprise the students at the beginning of the academic session. Based on the academic calendar, the faculty members prepare a course file consisting of timetable, calendar of events, lesson plan, notes, assignments, question bank, previous year question papers, and activities to be conducted & beyond syllabus activities. The lesson plan includes the topics to be covered lecture wise including the evaluation process for each subject. It is ensured that the minimum contact hours for theory and laboratory as per university scheme is maintained in spite of unforeseen unscheduled holidays and is duly reviewed by the one of the senior faculty who will be Course Coordinator(CC) in the department and approved by the HOD. The CC will hold meetings periodically with course instructors handling the same subject to coordinate the syllabus coverage and assessment to ensure uniformity across classes which is documented as Course Coordinator-Course Instructor (CICC) meeting proceedings. C. Use of Various Instructional Methods and Pedagogical Initiatives In addition to traditional teaching-learning methodologies, the faculty members adopt group discussions, screening of relevant videos, seminars, mini projects, case studies, PPTs, real time examples, simulations, and quizzes depending on the course and to create the best learning environment for the students. In case a student has missed the class, Impartus Lecture Capture Solution(ILCS) facilitates record of every lecture delivered by the faculty which can be viewed by students for complete understanding and this also facilitates flipped classroom teaching. Challenging subjects are identified based on previous results for which tutorial classes are conducted. D. Documentation Dean Academics visit will be scheduled twice in a semester to ensure the unit wise completion as per the lesson plan, coverage of syllabus, pedagogical initiatives taken and its delivery which is documented as course file. At the end of the semester IQAC visits every department and check the documents of course and lab files as per the format. The course file and course materials are also made available in the LMS enabling the easy access of the content for the student.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
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Electronics Packaging and PCB Design	nil	05/08/2019	730	Employability	PCB Design
IBM Data Science	nil	17/03/2020	180	Employability	Data Science
Google carrier readiness program	nil	13/08/2019	210	Employability	Cloud Computing
RPA Foundation Course	nil	10/07/2020	30	Employability	Programming
RPA Advance Course	nil	01/10/2020	90	Employability	Programming
Revit Architecture 3DS MAX	nil	01/02/2020	30	Employability	Professional 3D drawing, design and drafting using Revit and 3Ds max for visualization of the end product
Cadence Tool Design	nil	03/10/2019	730	Employability	VLSI Design
Architecting with Google Compute Engine	nil	01/08/2019	210	Employability	Cloud computing

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Aadalitha Kannada-18KAK28/39/49	01/08/2019
BE	TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES-18MAT31	01/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	All Branches	05/08/2019

Mtech	Computer Science and Engineering	01/08/2019
Mtech	Machine Design	01/08/2019
MBA	Master of Business Administration	01/08/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	191	Nil

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
Communication Skills Training Program	03/08/2019	768
Pre-Placement Training for VII Semester BE Students	04/07/2019	537
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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
BE	Field Project - Civil Engineering	18
BE	Field Project - Computer Science and Engineering	4
MBA	Field Project - Master of Business Administration	96
BE	Internship - Civil Engineering	71
BE	Internship - Computer Science and Engineering	151
BE	Internship - Electrical and Electronics Engineering	62
BE	Internship - Information Science and Engineering	65
BE	Internship - Mechanical Engineering	133
BE	Internship - Electronics and Communication Engineering	144
BE	Internship - Master of Business Administration	102
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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

The institute has developed its own internal mechanism for taking feedback from stakeholders on teaching learning process, amenities and infrastructure 1. Students Student feedback of teaching-learning process action taken are explained below: Two specially designed feedback forms are used to take feedback from students on teaching learning process. a. Early feedback is taken in the 3rd week of semester by each faculty to identify the strength areas for improvement so that it helps the faculty to implement the suggestions given by the students in the remaining part of the semester. b. Semester end feedback is taken either online / offline for each subject in the standard format as per the calendar of events by the Principal. The feedback percentage is evaluated for each faculty, and areas for improvement are identified at the college level for planning FDPs. Feedback forms are given back to the concerned faculty through their HOD for their own evaluation and to take appropriate corrective measures. In addition, Principal in consultation with concerned HOD, appreciation, or suggestion for improvement is given to faculty. The score obtained in the feedback is taken as a part in the faculty appraisal (the faculty submits appraisal form for every year). It is observed that there is a considerable increase in the percentage of feedback analyzed as the corrective measures are taken and implemented at the beginning. The feedback is taken from the elected class representatives during the Class Representatives(CRs) meeting which is scheduled first Saturday of every month. Students can also submit their suggestions, grievances and problems anytime during the semester through the suggestion box placed in every department and also at the office. The actions to issues of urgent /on the spot nature are addressed immediately. 2. Employers The feedback from employer is being obtained about student's personality in terms of employability, knowledge, skill component and soft skills, according to which new courses and clubs are introduced that has significantly increased the employability of the students. One such club is toast master club which has helped the students to exhibit their leadership abilities and improve their communication skills which are key factors for the placements. The feedback is also obtained from resource persons, academicians on curriculum. This feedback is analysed to develop the road map for the academic year ahead and align the interests of various stakeholders with the institutional interests. 3. Alumni Feedback from the alumni is solicited through consultation during alumni association meetings. Informal interaction with the various stakeholders on different occasions has also led to the formation of ideas and opinions regarding developmental aspects of the institution. 4. Parents The parent student faculty meet performed in every month of the semester permits parents to give tips concerning the curriculum of their wards and also on various developmental aspects of the institution.

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
BE	Civil engineering	60	65	56
BE	Computer Science and Engineering	180	234	186
BE	Electrical and Electronics Engineering	60	68	57
BE	Electronics and Communication Engineering	180	214	187
BE	Information Science and Engineering	120	153	125
BE	Mechanical Engineering	180	206	156
MBA	Master of Business Administration	120	130	103
Mtech	Computer Science and Engineering	18	22	13
Mtech	Machine Design	18	6	6
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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	2898	235	144	14	25

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
183	183	13	46	46	20

[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)

Yes. Mentoring system has been introduced to establish a better and effective relationship between student and faculty by providing supportive care and to also continuously monitor, counsel and guide students in academic, co-curricular and extracurricular aspects. They also provide psychosocial support at the time of need. Every faculty will play a role of a mentor for the overall growth and development of a student (mentee). Each mentor is assigned a group of 20 students as mentee and regular meetings are held between mentor and mentee at least twice in a month. The faculty will continue to be mentors for the same group of students till their graduation. Each student should have completed at least one round of mentoring session prior to Continuous Assessment Meeting(CAM). Continuous monitoring of academic performance of students including their attendance and performance in internal exams as well as providing a support system to guide the students is done by mentor. Mentors also guide their mentee in finalization of electives, advise them to participate in co-curricular and extracurricular activities based on their interests and skills, and help them to choose right career path. Mentors assist their mentees in filing the online exam application form precisely. They also help in identifying needy students and nominate them for VVCE scholarships and help them in getting the financial assistance for their education. The students can freely discuss with his/her mentors about the general academic constraints faced by them and also their personal problems that can possibly divert their academic focus. Students with personal/family problems if any are given counseling and support by a professional counselor appointed by the college. Periodic talks/seminars/webinars on counselling and stress management are arranged by the professional counselor for students and staff. A student counseling form is maintained for each student which includes both personal and academic information. Mentoring particulars are recorded in ERP/LMS which is accessible to the respective faculty and the student. Parents are regularly updated about the performance of their ward by his/her mentor and thus they are also involved in the process. Students are also counseled by the class teachers, subject faculties, HOD and principal, wherever required for improving their academic performance and attendance. Outcomes: 1. The mentoring has significant improvement in the faculty-student relationship and the students have a lot of admiration and regard to the faculty 2. There are no untoward incidents in the campus because of healthy relationship between student and faculty 3. The learning ambience has significantly improved in the institute 4. Greater improvement in the academic performance of the students is observed.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3133	183	1:17

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
179	168	13	25	43

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	Dr S A Mohan Krishna	Associate Professor	Dr. Satish Dhawan International Excellence award for achievements in Science Astronomy
2019	Dr S A Mohan Krishna	Associate Professor	Sir C V Raman International Lifetime Achievement award for Teaching, Research

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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
BE	CS	2/1	28/09/2020	18/10/2020
BE	CS	1/1	25/01/2020	10/03/2020

[View File](#)

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute has Program Assessment and Evaluation Committee (PAEC) which continuously monitors the changes that are happening at the university level and makes changes in the internal evaluation system. PAEC also frames guidelines for conduction of CIE. Any changes are informed to the students through interactions. The Institute displays all the circulars on notice boards and the college website from time to time. In addition to the reforms done in the previous year, the following are the new reforms for effective conduction of CIE.

- Preparing question papers in the prescribed pattern indicating different levels using revised Bloom's taxonomy and mapping to the course outcomes.
- Scrutiny of the question paper is carried out by Subject PAEC coordinator and HOD to ensure quality of the question paper.
- Observers are allotted for smooth conduction of CIE and to ensure transparency in the process. The duty of the observers is listed below:
 - ? Question paper packets are in sealed condition and are opened in observer's presence.
 - ? Display of Seating Plan for Students and SOP followed.
 - ? Timely start and end of test.
- Replacement tests are given for students who have missed the CIE for a genuine reason like health issues, participation in state/national level events/sports.
- Online proctored tests were conducted.
- Within a week after the CIE, the faculty evaluates the blue books and distribute to the students for doubt clarifications along with the scheme of evaluation.
- The assessment marks is uploaded in LMS before student performance analysis meeting.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The process of preparing the academic calendar and its adherence are explained below

1. A tentative academic calendar is prepared by Dean Academics considering the following:
 - ? Dates for commencement last working day of the semester, dates for practical exams and SEE.
 - ? Specific dates for conduction of three CIE, laboratory Internal Assessments and other activity based assessments
 - ? Schedule for module-wise completion of syllabus
 - ? Co-curricular extra-curricular activities, student counseling, SPA CAM
 - ? Early feedback and Semester end feedback
 - ? Extent of deviation from the calendar of events in the previous year
 - ? Compliance with the University calendar.
 - ? Reforms or changes required for the present semester.
2. The tentative academic calendar is placed before the college council meeting for their feedback/suggestions. After incorporating required suggestions, the first version of the calendar of events is sent to all staff members and CRs for their feedback.
3. All the suggestions are placed in the next college council meeting for their comments/opinions. The final version of calendar of events is then finalized and circulated to all the staff, students and also uploaded in the college website for information

compliance. Due to the pandemic situation for the year 2019-20, the adherence to the academic calendar was deviated by approximately 30 percent. The SEE was cancelled for I, II and III years, however it was conducted for final year. Invariably, the academic calendar is strictly followed except in extraordinary situations viz. declaration of unforeseen holidays, Bundh, Pandemic etc.

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)

<https://vvc.ac.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
MBA	MBA	Master of Business Administration	96	96	100
IS	BE	Information Science and Engineering	65	65	100
CV	BE	Civil Engineering	69	69	100
SCS	Mtech	Computer Science and Engineering	12	12	100
EC	BE	Electronics and Communication Engineering	140	138	98.57
EEE	BE	Electrical and Electronics Engineering	62	62	100
CS	BE	Computer Science and Engineering	151	151	100
ME	BE	Mechanical Engineering	135	135	100

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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)

<https://drive.google.com/drive/folders/1l2Hd0LCau-grAVNMg80teyV94xG0dNpC?usp=sharing>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Major Projects	730	BRNS/AICTE	36.59	32.62
Major Projects	365	KSCST/VTU	1.08	0.58
Projects sponsored by the University	365	VVCE	7.73	7.73
International Projects	365	VVCE	0.7	0.7
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3.2 – Innovation Ecosystem

3.2.1 – 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
Intellectual Property Rights for Engineering Fraternity	VVCE	20/07/2020
Industry Demands, Code and No Code Options, Job Requirements, Career Guidance and Certifications	ISE	08/06/2020
Intellectual Property Rights for Engineering Fraternity	ECE	20/07/2020
Awareness on IPR	CSE	28/07/2020
Appreciative Inquiry Workshop	VVCE	16/03/2019
Webiner on Multidisciplinary Approach for Electric Vehicle	EEE	15/06/2020
Networks Simulator-2	ISE	20/09/2019
Machine Learning using Python	ISE	10/10/2019
React: Web App Development	ISE	21/10/2019
Basics of Linear Algebra for Machine Learning	ISE	30/09/2019
Aws Cloud, Docker Containers, Grafana And Performance Bench Marking Of Storage Systems	ISE	10/06/2020

An Overview on Microservice Architecture and Container Orchesrtration	ISE	16/06/2020
"An International Colloquium on Resent Trends in Computer Science" - Cloud Security	ISE	20/07/2020
How to build career in Software Software Testing	ISE	21/07/2020
An International Colloquium on Resent Trends in Computer Science" - "IMPACT OF IoT IN A CHANGING SOCIAL ENVIRONMENT	ISE	21/07/2020
Software Testing	ISE	23/07/2020
Software Engineering	ISE	31/07/2020
Supply Chain Management	ISE	05/08/2020
Symbiot 2020	ECE	06/03/2020
TEDxVVCE-2019	ECE	13/10/2019
RF circuits, microwave and antennas	ECE	24/08/2019
Mini-Project Compitation	ECE	04/10/2019
IoT workshop	CSE	08/11/2019
Application development using angular and ML .net	CSE	18/10/2019
Databse and UI	CSE	06/07/2019
WiMLDS datathon workshop	CSE	18/02/2020
GDG android workshop	CSE	05/07/2020
UI and framework	CSE	13/07/2020
AR and VR	CSE	17/07/2020
Number theory cryptography funndamenls	CSE	25/02/2020
Fundamentals of computer networks and data communication	CSE	25/02/2020
Preparation for placements	CSE	27/02/2020
Cyber security system	CSE	18/05/2020
Networking engineer - the commando of digital industry	CSE	30/05/2020
Digital transfermation in banking	CSE	06/07/2020
Quantum computing	CSE	07/07/2020

How to crack GATE and other competitive exam in first attempt	CSE	06/07/2020
IEEE publication process	CSE	06/07/2020
Role of network virtualization in the future internet	CSE	20/07/2020
Sleep inducing with brain state analysis	CSE	22/07/2020
Awareness program on covid 19	CSE	23/07/2020
Artificial intelligence for health care	CSE	23/07/2020
Improving security in IoT through bio inspired Approaches	CSE	24/07/2020
Stay relevant and stay employable - be a digital champ	CSE	25/07/2020
Tensor flow 2.0	CSE	28/07/2020
Recent challenges in cyber security	CSE	29/07/2020

3.2.2 – 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
Best Paper Award	Kiran	ICRTECE-2020, Reva University, Bengaluru	11/06/2020	International Conference
Smart Farming (Application of IOT in agriculture)	Mithun H R, Vinod H R, Vijay Krishna, Parikshith	Dept. of CSE, PESCE, Mandya	25/10/2019	National level Hackathon
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	VVCE incubation centre	VVCE	MSMAVAS	E-Commerce	01/10/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	246971

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded

Electronics and Communication Engineering	2
Electrical and Electronics Engineering	4
Computer Science and Engineering	3
Information Science and Engineering	1
Master of Business Administration	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	56	5.26
International	Electrical and Electronics Engineering	9	3.70
International	Electronics and Communication Engineering	20	0.36
International	Information Science and Engineering	26	0.13
International	Civil Engineering	5	0.01
International	Mechanical Engineering	33	1.75
International	Physics	10	1.65
International	Chemistry	7	1.34
International	Mathematics	9	0.31
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	5
Mechanical Engineering	1
Electrical and Electronics Engineering	13
Electronics and Communication Engineering	11
Information Science and Engineering	37
Computer Science and Engineering	16
No file uploaded.	

3.3.5 – 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	Number of citations excluding self
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					the publication	citation
Synthesis of Novel Pyrazolyl-1,3,4-Thiadiazole Analogues	Srikanta murthy Ningaiah	Polycyclic Aromatic Compounds	2020	6	VVCE, Mysuru	Nil
Comparative Evaluation of Various Swarm Intelligence Techniques Designed for Routing in Wireless Sensor Networks	Shashank N	Lecture Notes on Data Engineering and Communications Technologies	2020	32	VVCE, Mysuru	Nil

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3.3.6 – 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
IoT Based Flow Valve Control and Accounting System	Dr. Vinutha D C	IJITEE	2019	40	Nil	VVCE, Mysuru
Task Selection for Scheduling using Hadoop Scheduler	Dr. Vinutha D C	IJITEE	2019	40	Nil	VVCE, Mysuru

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	56	643	53	132
Presented papers	95	10	Nil	Nil
Resource persons	5	9	Nil	40

No file uploaded.

3.4 – Extension Activities

3.4.1 – 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
NSS Day	VVCE, Mysuru	15	50
Blood Donation Camp	VVCE, Mysuru	6	45

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3.4.2 – 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
Cet Councelling	Cet Councelling Centre	KEA	20000
ISHRAE	ISHRAE Model Student Chapter	ISHRAE	300

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3.4.3 – 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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Blood Donation	VVCE, Mysuru	Blood Donation Camp	6	45
Cleanliness Awareness	VVCE, Mysuru	Swacch VVCE abhiyan on the eve of Gandhi Jayanti	5	24

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
VLSI Design- Viverthan Technologies	Final year and pre-final year students	VVCE, Mysuru	730
IEEE Student Branch Chair	Varun M S	VVCE, Mysuru	365

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3.5.2 – 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	Duration From	Duration To	Participant
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		with contact details			
Internship	ARDUINO SENSORS	ABHIYANTRIX AND SAPIENT ACADEMY	08/07/2019	10/08/2019	4
Internship	INDUSTRIAL AUTOMATION	SCEMATIC LABZ PVT. LTD	08/01/2020	08/02/2020	2
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
VENJAY AUTOMATION	29/08/2019	To train and make the students industry ready	53
Ballall Cadd center	12/08/2020	Cadd Software	70
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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
1803	1544

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Newly Added
Others	Newly Added
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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
Easylib Software	Fully	4.3.3	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	33583	13992729	766	586772	34349	14579501
Reference Books	2321	875608	35	20476	2356	896084
e-Books	2500	500000	Nil	Nil	2500	500000
Journals	73	259000	81	271922	154	530922
e-Journals	7	1170000	8	1667750	15	2837750
CD & Video	312	22000	5	Nil	317	22000
Others (specify)	1	100000	Nil	Nil	1	100000
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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
Manju V V	Engineering Physics	Lecture Notes	06/04/2020
Nithin Kumar	VTU Computer Science Notes	Google Sites	05/05/2020
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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	1737	1321	1737	50	170	120	1441	300	20
Added	0	0	0	0	0	0	100	200	0
Total	1737	1321	1737	50	170	120	1541	500	20

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

500 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
Impartus Lecture Capture System	http://a.impartus.com/login/

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
22.55	12.36	114.9	160.95

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, provide link)

Classrooms: The institute has 56 classrooms with LCD facility in every class. The time-table is prepared at the semester beginning allotting the classrooms and the laboratories. This facilitates the optimum usage of resources. ILCS has been installed in 40 classrooms. Every lecture is recorded and is saved in the servers owned by the Institute which can be viewed by the students any number of times at a later time and also used for faculty self-improvement.

Laboratories: The institute has 70 laboratories that are well equipped with adequate number of experimental setups and computers peripherals. Qualified lab instructor/Mechanic is allotted for the lab for its smooth functioning. Every Lab has • Display of Do's and Don'ts. • Safety precautions like first aid kit, fire extinguisher. • Log books maintained to know its effective usage. Every lab has preventive maintenance policy • Machines in the lab are operated and checked once in a week. • All the labs are under the supervision of foreman who monitors the lab functioning. • Calibration periodic servicing of equipment/instruments are carried out. There are total of 1417 computers faculty members are given laptops at free of cost by the Institute to enhance ICT usage in Teaching Learning(TL) process and for research activities. Every year sufficient funds are allocated in budget exclusively towards purchase and maintenance of laboratory equipment. Whenever the curriculum is revised, the new facilities/equipment required is reviewed once in 4 years for UG and 2 years for PG and are procured as per the procedure of purchase committee. The stock verification is done as a part of regular maintenance. Based on the report of stock verification • Equipment which is outdated non-repairable is moved to scrap • Equipment which is outdated repairable is sent to sister institutions. It is recommended to write off these items from the stock ledger after the approval in BOG meeting. The requirements/replacement of obsolete equipment is sent to principal for inclusion in the purchase committee. The committee meets often, discusses the requirements, gets the quotations, makes the comparative statements and procures them considering price, quality and service. Major repair of equipment/instruments are outsourced as per the Institute norms. Every year computers are replaced and around 200 computers are given to orphan centers and sister institutions. The central library maintains a stock of about 95 Laptops which can be borrowed by the needy students for a period of one month. Facilities like seminar halls, auditorium, guest house, computer center, buses for industrial visit etc. are reserved well in advance through proper channel for their optimum usage. Computer centers are utilized for e-activities like Quiz, aptitude test and competitive exams (GATE, JEE etc.). The college provides facilities to indoor outdoor sports, cultural events which is monitored and maintained by PED. A well-equipped gymnasium for general fitness is open to all staff students with an instructor to train. There are two site engineers who take care of general building maintenance and

upkeep of the campus. Gardeners and housekeeping staff ensure gardening, cleanliness.

<https://vvce.ac.in/facilities/>

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	VVCE SCHOLARSHIP	98	2425000
Financial Support from Other Sources			
a) National	Pragathi Saksham, Central Sector Scheme, Merit Cum Means, Defence Releif Fund	2390	45189549
b) International	NIL	Nil	0

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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 implemetation	Number of students enrolled	Agencies involved
Technical training for 7th sem students of CSE ISE	09/07/2019	195	Bizotic talent solutions
Preplacement Training	04/07/2019	537	Bizotic talent solutions

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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	Pre-placement training	Nil	537	Nil	247
2019	Cadence tool Design	Nil	28	Nil	4

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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

Null	Null	Null
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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
TCS	427	44	BOSCH LIMITED	95	1
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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
2019	1	B.E	CSE	Shri Dharmasthala Institute for Management Development	Post Graduate Diploma in Management (PGDM)
2019	1	B.E	CSE	MANIPAL INSTITUTE OF TECHNOLOGY	Master of Technology
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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
GATE	2
GMAT	2
GRE	3
Any Other	10
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Panchatantra	Inter-Institute	150
International Womens Day Celebration	Institute	180
Independence day celebrations	Institute	180
Republic Day Celebrations	Institute	350
Kannada Habba	Inter-Institute	320
Taranga	Institute	500

Doodle for Google Activity	School Level	50
Idea Presentation	Institute	25
Women single zone tennis championship	Inter-Institute	3
Women Throwball tournament	Inter-Institute	2
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Roller-Skating Champion	National	1	Nil	4VV19IS083	Reya Elizabeth Achaiah
2020	Winner in Roller Skating Tournament (2000 MTS PTP) Female	National	1	Nil	4VV19IS083	Reya Elizabeth Achaiah
2020	Winner in Roller Skating Tournament (500+DMTS) Female	National	1	Nil	4VV19IS083	Reya Elizabeth Achaiah
2020	Winner in Roller Skating Tournament (1000+MTS P+E) Female	National	1	Nil	4VV19IS083	Reya Elizabeth Achaiah
2020	Skater of the Year 2020	National	1	Nil	4VV19IS083	Reya Elizabeth Achaiah
2019	Gold medal	International	1	Nil	4VV17CV051	SRIVATSAV. M
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute has a unique culture of student driven activities and committees. It also maintains an excellent rapport with the student community. The main aim of student representation in committees is to involve them in academic, co-curricular and extracurricular activities. Through these activities students

learn planning, organization, analysis and execution which help in their comprehensive development. Some of the prominent bodies/committees that have student representation and the activities conducted are as follows. 1. Student Council (Class Representatives: CR) - Every year CRs will be elected who constitute the student council of the Institute. There shall be two CRs from each class - One male and one female ensuring gender equality. They act as liaison between the students and the academic leaders and help in achieving good rapport between students and staff members. Once in a month, a meeting of the CRs is held by the Principal along with all Deans and HODs to discuss academic, co-curricular, extracurricular issues including inadequacy in maintenance of existing facilities and additional requirements if any. 2. Anti-ragging committee - Students are part of the committee to ensure the campus is ragging free 3. Anti-sexual harassment committee - conducts awareness and sensitization campaigns via skits, role plays, posters and informative lectures. One day 'Self Defense Training' to girl students and faculty members will be organized every year as a part of women empowerment programmes. International Womens Day is also celebrated every year. 4. Continuous Assessment Meeting (CAM) -The Department conducts CAM every semester after the CIE to assess the academic performance. This meeting is held between HOD, Faculties and student representatives. CAMs are held to identify any shortcomings in a particular course and to take appropriate measures to overcome the same. 5. Industry academia board - valuable inputs will be taken from alumni to strengthen the curriculum by bridging the gap between academia and industry and strategies for curriculum delivery. 6. Sports and Cultural committee - Students have strong representations in cultural and sports committee that organize and manage events like Intercollege sports activities, participation in state and national level activities. The institute has a cultural club named 'Taranga' which hosts cultural activities. Annual College fest 'Vidyuth' is celebrated every year by organizing technical and cultural events. 7. Department association - Every department has a club involving students which organize department fest including activities like bar camps, technical workshops, guest lectures, etc. 8. E-cell - A Student driven community 'ASPERA' is set up to encourage entrepreneurship among students. Every year, e-week is conducted wherein there will be activities and drives to create entrepreneurship awareness among the future leaders. 9. NSS- Students organize and participate in extension activities like Voters Awareness Programme, Swachh Bharat Abhiyan, tree Plantation, Yoga Day, Blood Donation etc which inculcates social responsibility, moral values and ethics in them. 10. The institute also has IEEE and ISTE student chapters that are driven by student representatives. In addition, there are over 30 student clubs to promote students' holistic development.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has a registered Alumni Association. It was registered on 5th 2018. The name of the Association is VVCE ALUMNI ASSOCIATION and referred to as VVCEAA. It is registered under Karnataka Societies Registration Act, 1960. Registered of the VVCEAA is located at Room No. E107, Training and Placement Department, Gokulam 3rd stage, Mysuru-570 002, Karnataka. VVCEAA is a nonprofit organization. The objectives of the association are • To provide a forum to establish a link between the alumni, staff students of the Institute. • To enable the alumni to participate in activities that would contribute to the general development of the Institute like project work, technical talks, industry visits, consultancy and placements. • To actively engage alumni in the overall development of the institute. • To sponsor prizes for the best outgoing student, best student achiever in under graduate post graduate level. • To

felicitate distinguished alumni achievers during annual cultural fest 'Vidyuth'. The list of the present members of the governing body to whom the management and society is entrusted with as required under Section 2 of the Societies Registry Act, 1860, are as follows. 1. VVCEAA President - Dr. B SADASHIVEGOWDA, Principal VVCE, Mysuru 2. VVCEAA Vice President - Mr. RAVINDRA B V, Senior SoC Design Engineer, Intel Technologies 3. VVCEAA Secretary - Dr. T P SUREKHA, Professor, Department of ECE, VVCE, Mysuru 4. VVCEAA Joint Secretary - Mr. SUHAS, Technical Analyst, Infosys Technologies 5. VVCEAA Treasurer - Prof. GOWRISHANKAR, Asst. Professor, Department of ISE, VVCE, Mysuru

Frequency of interactions

- The Annual Alumni Meet is held in the month of November or December.
- The Annual General Body Meeting of VVCE alumni association is held once a year generally in the month of February.
- Distinguished Alumni are invited to interact with the students periodically.
- Some alumni are running finishing schools at VVCE that aims to make graduating students better engineers.

Online annual meeting was held successfully this year due to the pandemic situation. Feedback is collected from all the alumni attending annual alumni meet regarding the facilities available in the college, the teaching - learning environment, college activities and other relevant areas that lead to the development of institute and students. A few of the suggestions which were implemented are as follows: 1. To take up green campus initiative 2. To use social media to promote college activities

The alumni of the college who have moved on to industry or for higher studies give a feedback on how their years in the institution have helped them perform in their places of work/study. The alumni additionally provide constructive tips on helping the students gain recognition and improving themselves. Informal interaction with the alumni on different occasions has also led to the formation of ideas for the growth of the institute. The alumni association has significantly enhanced the visibility of the institute among all the stakeholders.

5.4.2 – No. of enrolled Alumni:

725

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

362500

5.4.4 – Meetings/activities organized by Alumni Association :

15

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 functions with decentralized administration that has complete transparency in the decision making process. It provides operational autonomy for the effective functioning of academic and administrative matters. The BOG has delegated powers to the Principal to conduct the Academics, institutional development, co-curricular and extra-curricular activities. The Principal, Deans HODs are delegated adequate powers for smooth functioning of the Institute. The Principal and the CC consisting of Deans (Academic, Examination, Research and Student welfare), all HODs, IQAC Coordinator, TP officer, librarian and PED with Principal as its chairman, meets every week to discuss academic administrative issues and take appropriate decisions from time to time. Every department is managed by the HOD who is responsible for all the department's academic and nonacademic affairs. The CC has constituted 24 committees to decentralize the activities and for smooth functioning of the Institute. Each committee consists of members from all the departments who meet

regularly to carry out the duties and functions of the committee effectively. The committee coordinator briefs the college council on important decisions taken and the progress of their implementation. Two Practices of Decentralization: 1. A few roles such as Dean Academics, Dean- TP, Dean-Examinations are created in order to carry out the related activities smoothly. 2. Delegation of financial powers: • Principal is the sanctioning authority for attending workshops/conferences/FDPs etc., up to Rs.10000/- for the department requirement above Rs.5000/- and up to Rs.10000/- • The HODs have the sanctioning authority of amount up to 5000/- Participative management The institute practices a participative management at all levels. Whenever the management takes important decisions it ensures that such issues are discussed in the conclave in the BOG, then only they are implemented. All the academic administrative issues like budget, recruitment, purchases, admissions, promotions, conferences, variation in intake etc., are discussed transparently considering the joint consensus of all the concerned and decisions are taken for implementation. 1. Conclave is one of the case studies to illustrate the participative management being practiced in the institute. The objective of the conclave is to take stock of the present status and deliberate on strategies, requirements and decide on the road map to achieve the Institute's vision. The conclave meet will be with members of management (President, Secretary, and Treasurer) and all the members of CC. In the conclave, all the members present their views freely on various issues concerning the institute. Important issues on all aspects of the Institute are discussed threadbare and decisions are taken considering the institute's interest at the center. So far 13 conclaves have been held in the last six years. The institute has made remarkable progress in the last six years as most of the decisions that were taken in the conclave have been implemented successfully after consulting faculty and students wherever required. 2. The EL sanctioning authority of all the employees and the department financial requirement above Rs.10, 000/- per item/event/events is management. Decentralized management is practiced by following an organizational structure as shown.

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
Admission of Students	An admission committee is constituted in the institution to strengthen the admission process by providing an effective mechanism that shall augment the admissions and to facilitate guidance and counseling procedures pertaining to admissions in the institution. In addition, the admission committee tracks the success of the admission process each year by maintaining a database of pertinent information on the applicants. The committee reviews admission requirements for the program annually. Every year the cutoff rank is improved indicating quality admissions. Admission process happens through CET, COMEDK and through Management Quota. Postgraduate student's admission is

	through PG CET and Management quota.
Industry Interaction / Collaboration	The following are the practices adopted to strengthen Industry Interaction / Collaboration • Every department has Industry academia board with industry experts, and students as representatives which meets once in a semester and provide valuable suggestions in bridging the gap between industry and academia. • Interactions with many industries are carried out for project works, industry internship, industry expert talks, industrial visits placements etc. • Total number of MOUs is 57
Human Resource Management	The Institute practices transparent and participative governance at all levels. All the policies in the matter of planning human resources, recruitment, training, performance appraisal and financial management are carried out systematically considering the overall interest of the Institute and the stakeholders. The staff recruitment process is done in a transparent and fair manner. The selection committee of the recruitment has a VTU nominee as one of its member. The candidates who apply for various positions are required to apply in the online portal of the In-house software.
Library, ICT and Physical Infrastructure / Instrumentation	Additional 35 titles and 766 volumes of books are added in the main library. License for Turnitin tool is acquired for verifying the plagiarism for the UG/PG reports and for faculty research publications. The institution has subscribed to many e-journals such as- IEEE, TF, ASCE, ASME, Proquest, KNimbus, Kopykit, Sententia. Internet speed is enhanced from 300 MBPS to 500 MBPS. Seven new classrooms with LCD and Wi-Fi facilities were added. Based on the revised curriculum many departments have procured new equipment and software. The new sports complex with indoor stadium and gymnasium is completed and ready for utilization.
Research and Development	The institute promotes students and faculties to participate in the research activities by establishing separate RD cell introducing research policies • Sabbatical Leave is given for faculty to carryout PhD work. • Institute has made a policy, namely "VVCE POLICY TO PROMOTE RD ACTIVITIES"

to encourage faculty members by providing incentives for paper publication, research funds and publishing textbooks. • 50 tuition fee waiver, flexible working hours deputation for in house faculty pursuing PhD • An IPR policy to encourage creative and innovative research leading to the generation of new knowledge, ideas and inventions. • Idea generation competition are regularly conducted by E-cell.

Examination and Evaluation

Institute has developed in-house software for maintaining student's information and to ease the process of conducting VTU theory examination with the following features. • Complete student database. • Online fee payment and filling of exam application form. • Student's appearing list report generation for seating arrangement and Invigilator allotment. • Auto generation of Form- B (Attendance Sheet) Form- A (consolidated Sheet). • Timetable Generation. • Consolidated work done statement generation for remuneration.

Teaching and Learning

The following practices are adopted to strengthen TL process: • In addition to traditional TL methodologies, the Faculty members adopt group discussions, relevant videos, seminars, mini projects, case studies, PPTs, real time examples, simulations, quizzes, depending on the course that create the best student centric learning environment. • The ILCS facilitates record of every lecture delivered by the faculty which can be viewed by the students and helps slow learners to understand the difficult concepts at their own pace. • Appropriate industry visits are planned organized to facilitate proper understanding of concepts. • Faculty students are encouraged to do courses on MOOCs/NPTEL/COURSERA.

Curriculum Development

Institute is affiliated to Visvesvaraya Technological University and follows the curriculum as per the University guidelines. However, UGC has sanctioned Autonomous Status to the institute from the academic year 2020-21. In this regard, the development of curriculum was initiated during the academic year 2019-20.

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

E-governance area	Details
Administration	<p>1. Biometric machines are maintained for sign in and sign out of all the employees. Face recognition attendance system is introduced as one of the measures to curb the COVID-19 pandemic.</p> <p>2. All the circulars are communicated via e-mails</p>
Finance and Accounts	<p>1. The institution uses Tally software for salary calculation, annual balance sheet, and income Tax calculation. 2. Pay slips are generated and sent to employee's email address.</p> <p>3. Salary credited to employee's account and all transactions with VTU/AICTE are done online to support digital India initiative.</p>
Student Admission and Support	<p>1. The Institution has procured Heraizen software for online/web-based system for student admission. 2. Registration to higher semesters is done by Institution in-house software.</p> <p>3. Correspondence with students is through e-mails 4. Student fee collection is accomplished partially by online 5. Entire admission process, student data management, report generation for AICTE and VTU is done online through in house software.</p>

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	PRAKASHA K.N	AICTE/MHRD's Innovation ambassador-training program, scheduled on February 26th and 27th, 2020 at ACS College of Engineering, Bengaluru for SWRO Zone.	nil	755
2019	Dr. Somashekhar I C	National level Seminar on Women Empowerment Economic Development in	nil	1400

India -The Road
Map Ahead held
on 11th October
2019 organized
by Sri K
Puttaswamy
First Grade
College, Mysuru

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6.3.2 – Number of professional development / administrative training programmes organized by the College 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	E-Resources for Research in Management	nil	15/07/2020	15/07/2020	65	Nil
2020	POST COVID - 19 IMPACT ON STARTUPS: IS IT A CHALLENGE OR AN OPPORTUNITY?	nil	30/07/2020	30/07/2020	110	Nil

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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
Case study analysis in teaching	2	27/04/2020	02/05/2020	6
"Research and role of ethics in research"	2	13/04/2020	18/04/2020	6

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
22	Nil	1	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Faculties are given Provident Fund, and Group Insurance and Gratuity facility. 2. EL, CL, RH, Maternity Leave, and Special Causal Leave facilities are given. 3. Faculty who wish to pursue their doctoral program is given paid leave. 4. Faculty pursuing their doctoral program internally is given 50 discount on their tuition fee. 5. Faculties who present papers /attend Conference s/Workshops/seminars within India are given the registration fee, TA DA. 6. Faculty member presenting papers /abroad are given financial incentives. 7. Faculty publishing books and papers in refereed journals (unpaid) are given financial incentives. 8. Faculty getting research funds are given financial incentives. 9. All the faculty members are given laptops free of cost for academic activities. 10. Fee concession is given to the children of faculty members.11.Accidental insurance is provided for the faculty</p>	<p>1. Non-teaching staff is given Provident Fund, ESI, and Group Insurance and Gratuity facility. 2. EL, CL, RH, Maternity leave, and special causal leave facilities are given. 3. Technical staff who present papers /attend Conferences/Works hops/seminars within India are given the registration fee, TA DA 4.Accidental insurance is provided for the non-teaching staff.5.Uniform is provided to Group-D employees 6.The co-operative society is managed by the staff on the campus and the institute has provided the required facilities.</p>	<p>1. Dr. Divakar, SWO is entrusted with the responsibility of students' welfare. 2. The college provides ? Scholarship for needy and meritorious students who are economically backward ? Concession in hostel fee for 10 boys and 5 girls ? Free hostel for students ? Incentives for paper publication, financial assistance for participating in cultural, Sports and to carry-out novel projects. Institute earmarked Rs. 25 lakhs to give away the VVCE scholarships to the needy and meritorious students. In the academic year 2019-20, 98 needy students were shortlisted and each was given Rs 25,000/- . This financial assistance has helped the students to continue their education. Institute is planning to implement tuition fee waiver scheme for the next academic year so that more number of needy students can be benefitted.</p>

6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly The institute has an effective mechanism for internal external financial audits. A. Internal Audit 1. Principal informs all the HODs before March of every financial year to submit budget requirements for the next financial year under specified head of accounts. 2. Principal reviews the previous year budget, actual expenses requirements of all the departments in consultation with management, accounts officer and concerned HODs (if required) and prepares a consolidated college budget. 3. The consolidated budget is submitted to the Management for review and suggestions. 4. The fine-tuned budget for the next financial year is placed before the BOG for discussion, and approval. 5. The

approved budget is notified before March 31st of every year and funds are released as and when required. 6. Principal in consultation with the management reviews the financial status periodically to ensure that the expenses are within the budget allocated and also the amount is utilized within the end of the financial year for the purpose it is allocated. 7. Re-appropriation of budget is carried out in the month of September to ensure that unspent money could be spent where it is required. B. External Audit All the financial transactions of the institute are audited by an external agency. The external audit is carried out by the auditors as per the provisions of the Government rules and regulations. The Institute has maintained the highest level of transparency in all financial transactions. It may be seen from the audited reports that all the financial transactions are carried out as per the standard norms. The audited reports are uploaded in the college website as per AICTE norms.

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/ Grnats received in Rs.	Purpose
NIL	0	NIL
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6.4.3 – Total corpus fund generated

0

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	NBA, Local Inquiry Committee	Yes	IQAC
Administrative	Yes	NBA, Local Inquiry Committee	Yes	IQAC

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

1. Students Performance Analysis (SPA) meeting is conducted for students as per calendar of events. The students their parents are invited to discuss with HOD/ class teacher/ concerned faculty regarding the performance of the students. 2. The communication is sent to the parents regarding Academic performance of the students/wards at the end of every CIE. 3. Parents are involved in constructive feedback for the improvement of the institution.

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

1. Workshop on "Universal Human values" 2. Awareness program on "Stress free life" 3. Awareness program on "Live and fight with COVID-19" 4. Activities by welfare association 5. Training on English communication skills

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

1. Implementation of Universal Human Values workshops once in a fortnight 2. Revision of Quality Assurance Report and Faculty appraisal formats 3. Design of Curriculum for Autonomous scheme 4. Implementation of 5S 5. Regular feedback from all the stakeholders, their analysis and action taken for improvements 6.

Three week induction program for first semester students

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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
2020	Workshop on universal human values	11/06/2020	11/06/2020	12/06/2020	81
2020	Workshop on examination reforms	27/05/2020	27/05/2020	27/05/2020	182
2020	Workshop on universal human values	19/05/2020	19/05/2020	25/05/2020	93
2019	Talk on social innovation	29/11/2019	29/11/2019	29/11/2019	182
2019	Talk on emotional intelligence for teaching	16/09/2019	16/09/2019	16/09/2019	182
2019	Talk on startup engineering	11/09/2019	11/09/2019	11/09/2019	182
2019	Training on 5s	19/09/2019	19/09/2019	19/09/2019	46
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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
Women's Day Celebration "Each for Equal"	02/03/2020	07/03/2020	98	193
Self Defence	24/08/2019	24/08/2019	58	Nill

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

The Institution has facilities for alternate sources of energy and energy conservation measures 1. The college has Established Roof Top Solar PV system of 170KWP, installed above following blocks o A block- 50KWP o B block - 50KWP o C block - 50KWP o D block- 20KWP o E block - 40KWP The generated Power after utilization in campus, an average of 2000KWH of power is sent to Chamundeshwari Electricity Supply Corporation (CESC) Mysore. 2. A Rooftop solar PV of 40KWP capacity is provided with 40W inverter above E- Block 3. A Sewage treatment plant of capacity 1, 25,000L/day is installed to take care of the waste water produced which is situated near K P School inside the campus. 4. A Dumping yard to distinguish the wet, dry and plastic waste is constructed in the campus 5. Incandescent and florescent bulbs are replaced with LED bulbs in the campus. 6. Solar / Heat pump is used as hot water heater in college boys hostel as well girls hostel which saves electrical energy Overall the institution is very keen on energy conservation and has organized many programs including the following on Environmental Consciousness and Sustainability o Webinar on " Sustainable global energy transition" organized by Department of Civil Engineering on 28 May, 2020 o Webinar on " Climate change and sustainability" organized by Department of Civil Engineering on 04 June, 2020 o Webinar on " Biodiversity" organized by Department of Civil Engineering on 05 June, 2020 o Webinar on "Environment and sustainability" organized by Department of Civil Engineering on 05 June, 2020 o Webinar/FDP on " Sustainable developments in civil engineering" organized by Department of Civil Engineering from 04th -08th Aug, 2020 o Webinar on " Energy Efficient buildings" organized by Department of Civil Engineering on 07 Oct, 2020 o In view of "World environmental day" NSS and Youth wing of VVCE plant saplings were planted on 05/06/2020 in the campus. o In view of "World environmental day", Department of Civil Engineering in association with Association of Consulting Civil Engineers and NSS club of VVCE, planted saplings on 26/06/2020

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
2019	Nil	1	14/12/2	1	Free		250

			019		Medical Camp	Awareness about Health	
2019	Nill	1	26/11/2019	1	Constitution Day And Awareness Program on Prohibition of Electronic Cigarette	Awareness Program	40
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students and Teachers	10/10/2019	<p>The Institute's staff and students demonstrate professional ethics and human values by following code of conduct.</p> <p>Institute has been successful in organizing workshops/seminars on Universal Human Values and ethics for both staff and students. UHV is included in the three week induction program for first semester students. Workshops on UHV followed by discussion for staff once every fortnight is an integral part of our institute where staff express their views and share their experiences.</p> <p>It has led to the improvement of the overall personality of both staff and students and has helped to create a conducive ambience in the campus.</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2019	15/08/2019	368
Gandhi Jayanthi	02/10/2019	02/10/2019	368
Teachers cum Engineers day	18/09/2019	18/09/2019	368
Republic day	26/01/2020	26/01/2020	368

Workshop on Universal Human Values-For Teaching staff	19/05/2020	25/05/2020	182
A Discussion on Human values-1	30/05/2020	30/05/2020	182
A Discussion on Human values-2	06/06/2020	06/06/2020	182
Workshop on Universal Human Values-For Non-Teaching Staff	11/06/2020	12/06/2020	182
A Discussion on Human values-3	13/06/2020	13/06/2020	182
A Discussion on Human values-4	20/06/2020	20/06/2020	182
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Plastic Free Campus 2. Green Landscaping with Trees and Plants 3. Solar Plant Installation 4. Pedestrian Friendly Road 5. E-Waste Management 6. Sewage Treatment Plant 7.Green Auditing 8.Webinar Series for Awareness Environment and Sustainability

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

FIRST BEST PRACTICE A. Scholarship to the Students The institute introduced VVCE scholarship from the year 2013 with the objective of providing financial assistance to the needy and meritorious students. The parameters to evaluate the students include family economic condition, weightage for percentage of marks and percentage of attendance. Weightage is also given to co-curricular and extra-curricular activities. The procedure for sanction of VVCE Scholarship is as follows:

- A notification is sent to all the student via e-mails/SMS calling for eligible students to apply for the VVCE Scholarship. It is also notified on notice boards and website.
- The filled application form should be submitted to the scholarship section in the office on or before the last date notified.
- The applications forms are distributed to the respective departments by the scholarship section for the next phase of selection process.
- The department has a scholarship committee consisting of HOD, senior professors, mentors and class teachers that receive the application forms and initiate the selection process by conducting the interviews of the applied students.
- The students who satisfy the eligibility criteria are recommended for VVCE Scholarship.
- The recommended student list from all the departments will be sent to scholarship section.
- The principal goes through the list of eligible students in the college council meeting for final selection and the final list will be sent to the management for final approval and distribution of scholarships.

VVCE Scholarship was found to have a profound impact in alleviating the financial burden of the needy students to a certain extent. It was also observed that the dropout count of students who discontinue their studies because of financial constraints has reduced significantly because of the VVCE Scholarship Hence, it is considered as one of the best practices in VVCE. Institute earmarked Rs.25 lakhs to give away the VVCE scholarships to the needy and meritorious students. In the academic year 2019-20, 98 needy students were shortlisted and each was given Rs.25,000 /- . This financial assistance

has helped the students to continue their education. Institute is planning to implement tuition fee waiver scheme from the next academic year so that more number of needy students can be benefitted. The Institute also provides hostel fee concession for poor boys/girls. The eligibility criteria include weightage for economic condition, academics and extracurricular activities. SECOND BEST PRACTICE B. CONTINUOUS PERFORMANCE ENHANCEMENT MEASURES The institute has a practice of consistently monitoring the academic performance of the entire teaching-learning process from 360 degree perspective (faculty members, students and parents) and make appropriate changes(to the degree permissible) to improve the same. The feedback on various academic processes/system/activities is collected at regular intervals and appropriate actions are taken. In order to improve the performance as a whole, the following three measures are implemented in the institute. 1. Continuous Assessment Meeting(CAM) 2. Class Representatives(CRs) Meeting 3. Student Performance Analysis (SPA) 1. Continuous Assessment Meeting(CAM) 1. The department conducts CAM twice in a semester to assess the academic performance. This meeting is held among the Head of the Department, faculty members and student representatives. CAMs are held to identify any shortcomings in a particular course and to take appropriate measures to overcome the same. Almost an immediate implementation of Issues such as course difficulty, performance in the internal facilities are discussed and suitable actions are taken. Some of the actions are i. Repetition of difficult concepts ii. Conduction of remedial tutorial classes iii. Providing suitable classroom and laboratory ambience. 2. Class Representatives(CRs) Meeting Every year CRs will be elected who act as liaison between the students and the academic leaders and help in achieving good rapport between students and staff members. There shall be two CRs from each class - One male and one female ensuring gender equality. A meeting of the CRs is held once in a month by the Principal along with all Deans and HODs to discuss academic, co-curricular, extracurricular issues including inadequacy in maintenance of existing facilities and additional requirements if any. The actions to issues of urgent /on the spot nature are addressed immediately. 3. Student Performance Analysis or Parents-Students-Teachers-Meeting Student Performance Analysis is conducted twice in a semester. Parents are invited to the campus to brief them on their child's performance. Principal along with faculty present a brief report of events that were conducted in that semester to the parents and students during the meeting. Parents are also requested to give suggestions for improvement of academic performance and ambience. Also the performance of the students in CIEs is sent to parents through LMS. The above mentioned continuous performance enhancement measures have yielded the following results: a) Better rapport and communication among students, teachers and parents b) Better learning ambience c) Improvement in results

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

<https://yvce.ac.in/wp-content/uploads/2021/04/Best-practices-to-upload.pdf>

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 distinctive performance of the Institute which is aligned with the vision is the Teaching-Learning (TL) process as the Institute would like to see itself a leading institution in engineering and management education as enumerated in the Vision statement. The salient features about TL process which is considered a priority and thrust area are described below: 1. It prepares its own Academic Calendar well in advance before the start of the semester, considering Govt. /University holidays. 2. Subjects are allotted to the faculty members for the forthcoming semester after the end of the previous semester looking into the

faculty specialization, experience workload. 3. It is ensured that the minimum contact hours for theory laboratory as per university scheme is maintained in spite of unforeseen unscheduled holidays. 4. Faculty who are new to teaching undergo training on pedagogical methods of teaching in addition to in-house FDPs and are trained to effectively utilize the lecture duration of 60 minutes. 5. Reforms in TL have been initiated to strengthen the OBE. The students learn via experiential and participative learning. 6. Difficult subjects are identified based on previous results for which tutorial classes are conducted. 7. Each class room is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation, LCD projectors, furniture to have a conducive ambience. 8. The ILCS facilitates record of every lecture delivered by the faculty which can be viewed by the students any number of times at a later time. This helps slow learners to understand the difficult concepts at their own pace. A flipped classroom concept is being introduced from the previous academic year. 9. An excellent library, digital library and laptop borrowing facility are made available. 10. An internet connectivity of bandwidth 500 Mbps leased line connection Wi-Fi Internet connectivity all over the campus. 11. Each program has set up the IAB to guide the department. The suggestions given by the IAB are implemented for the benefit of students and the faculty. The thrust of the institution has been on equipping its students with employability skills through dissemination of contemporary knowledge and skills. Students from nearly every stream have received value added inputs and this has laid down a preparatory ground for their futuristic skill development.

The institution has persistently implemented a wide range of add-on and certificate courses and training programs that have inculcated in our students a set of market demanded skills. The institution has a good number of functional MOUs with academic institutions of high repute as well as corporate for conducting these courses. The industry academia interface has acted as a catalyst in promoting the mission of the college. The variety of skill based courses, their outcomes and response from students along with industry collaborations stand out as distinctive feature for an under-graduate college in the region. Both students and faculty members have completed online certifications on various platforms like SWAYAM/NPTEL/MOOCs/COURSERA. Hence, the TL process has become one of the distinctive performances of the Institute.

Provide the weblink of the institution

<https://vvce.ac.in/>

8.Future Plans of Actions for Next Academic Year

The future plan of IQAC is to focus on all the areas that contribute to the overall growth and development of the institute. As per the SWOT analysis done for the institute, focus should be on Research Innovation and consultancy work. However, for the all-round development of the institute the following areas have been identified and the plans are made to take the institute to a greater height.

1. Teaching and Learning • To focus on strengthening the Outcome based education by enhancing student centric learning through ICT and Pedagogy • To increase the e-content development by faculty in the various platform such as MOOCs SWAYAM • To introduce an effective blended teaching-learning system • To introduce more number of open electives • To introduce more practical based subjects in the autonomous scheme • To implement NEP in a phased manner • To propose/develop sustainable/feasible solutions for local problems of the society through ideas/projects industry collaboration.
2. Research and Innovation • Increasing the number of patents and commercialization • Submission of project proposals to various funding agencies • To promote quality research publications • To establish more number of Centres of Excellence • To improve the industrial consultancy • Motivating and encouraging students for start-ups in the VVCE-Incubation centre • Encourage the students to publish papers in national and international conferences.
3. Outreach/Co-curricular/Extra-curricular activities

• To encourage students to actively participate and conduct social activities • To conduct awareness program for the students to take up competitive examinations • To encourage the students to participate in extracurricular activities like sports, cultural, and club activities- Various clubs to promote co-curricular activities namely, Bar camp, toastmasters, professional bodies like SAE, ISHRAE, IEEE, ISTE, ACM, Wireless Networking Group, e-yantra robotics, TechYana, Literature, etc., 4. Institute and Infrastructure • To figure in top 200 in NIRF • Awards shall be introduced to identify and encourage the best performing staff in the institute • To introduce/implement external academic audit • To successfully implement 5S • To move towards e-audit of quality requirements and forego physical Verification of documents • To make paperless office 5. Industry-Institute interaction • Promoting collaboration with premier institutes for academic Interaction and research resource exchange • To increase the number of MOUs by each department for student and faculty exchange. • Industry Collaborations to improve the placements - to initiate industry -pro activities by industry visits, internships, faculty internship in industry, technical talks by industry personnel, joint conferences, consultancy etc.