



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		COLLEGE OF ENGINEERING VADAKARA
Name of the head of the Institution		Dr. O. A. Joseph
Designation		Principal (in-charge)
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04962527225
Mobile no.		9400477225
Registered Email		principal@cev.ac.in
Alternate Email		citvcape@gmail.com
Address		Mandarathur Post, Vadakara, Kozhikode(Dt), Kerala
City/Town		Vadakara
State/UT		Kerala
Pincode		673105

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		state			
Name of the IQAC co-ordinator/Director		Ragi R.G.			
Phone no/Alternate Phone no.		04962527225			
Mobile no.		9747054045			
Registered Email		iqac@cev.ac.in			
Alternate Email		principal@cev.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://www.cev.ac.in/en/wp-content/uploads/2020/12/AQAR_CEV-2018-19.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://www.cev.ac.in/en/wp-content/uploads/2019/12/Academic-Calendar-July-2019-June-2020.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.54	2017	27-Nov-2017	26-Nov-2022
6. Date of Establishment of IQAC			11-Nov-2014		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

No Data Entered/Not Applicable!!!

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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
College of Engineering, Vatakara	TEQIP	TEQIP	2019 1095	1180608
College of Engineering, Vatakara	ASAP	Govt. of Kerala	2020 365	3500000
College of Engineering, Vatakara	CERD	Govt. of Kerala	2019 365	29000
College of Engineering, Vatakara	KSCSTE	Govt. of Kerala	2019 365	68000

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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 :

6

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)

1. Academic Calendar preparation for the year 2019_20. 2. Centralised student project evaluation through RD cell 3. Carried out the Internal Academic Audit 4. Prepared Institution Annual Report 2019 20.

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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	Achievements/Outcomes
IQAC has listed out all academic events and prepared academic calendar before the commencement of classes.	As the events at college level and department level are well planned, the effective execution of events are achieved as per the academic calendar in online mode.
Internal Academic Audits are charted as per university schedule.	Internal Academic Audits were carried out as per the plan.
Cocurricular and Extra curricular activities for students are planned in advance.	Cocurricular and Extracurricular activities were conducted as per the plan and the students are benefited . After February due to covid issue, was not able to conduct cocurricular and extra curricular activities.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Governors	16-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

01-Nov-2017

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

06-Jan-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Campus Management Software (CMS) enables monitoring of all academic activities of the institute. Campus Management System (CMS) software supports faculty in academic planning, teaching learning organization and scheduling evaluation. Attendance, course plans and daily covered portions

are entered in the CMS. The CMS provide the status of student's attendance and progress in learning and is accessible to students, staff and parents. Campus Management System provide facility for online class, online examinations.

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

Institution has the mechanism for well-planned curriculum delivery and implementation thorough the following measures: Institution prepares and publishes the academic calendar by listing all major activities of the academic year, in the Campus Management Software (CMS) well in advance. Department activities are planned and executed accordingly. Subject allocation and Timetable preparation are completed minimum three weeks prior to the commencement of each semester classes. Faculty prepares a detailed lesson plan including topics covered, hours allotted, tutorial classes planned, assignments to be given and special classes planed. Lesson plans, study materials, lab manuals and question banks prepared by the faculty are uploaded in the campus management software before the commencement of classes. Monitoring and effectiveness of curriculum planning, delivery and documentation are done through class committee meetings, online teacher evaluation by student, internal and external academic audits, class PTA meetings and feedback from parents and alumni. Each class has a faculty advisor to monitor the conduct of classes and student performance. Institution has an effective mentoring system in which 20 students are being mentored by each faculty to motivate and support them in their academic activities. Remedial classes are arranged for academically weak students immediately after the first internal evaluation. Bridge courses and orientation classes are given for first year students. Orientation classes are also given to the newly recruited faculty of the Institution. Two series examinations and one model examination is conducted internally in each semester to evaluate student performance and the results are published in the CMS which can be accessed by both students and parents. Daily attendance of the students are also avail in CMS. Department level scrutinizing committee is constituted to scrutinize series exam question papers. Availability of text books and reference books for all courses are ensured before the commencement of classes. NPTEL video lectures and e-journals are made available through the digital library and campus network. Curriculum Implementation Class committee meetings: Class committee meetings are organized twice per semester to get student feedback on curriculum implementation and coverage. Class PTA meeting: One class PTA meeting is arranged in each semester to interact with parents. Progress reports are given to parents and feed backs are collected from them. Assignments and tutorials: Minimum three assignments are given for each courses to improve application and problem solving skill of students. Weekly one period tutorials are given for courses prescribed by university, one faculty is assigned to twenty students to improve effectiveness and concept. Series tests: Two series exams covering 2 modules per subject are conducted during a semester. Remedial classes: Remedial classes are arranged for slow learners, immediately after first series exam. Subject experts are directed to handle remedial classes.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
NIL	Nil	Nil	Nil	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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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
BTech	ECE	01/06/2019
BTech	CSE	01/06/2019
BTech	IT	01/06/2019
BTech	EIE	01/06/2019
BTech	CE	01/06/2019
BTech	EEE	01/06/2019
MCA	MCA	01/06/2019

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

	Certificate	Diploma Course
Number of Students	133	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
NIL	Nil	Nil
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	IT	3
BTech	ECE	1
BTech	CE	51
BTech	CSE	31
MCA	MCA	45
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
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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 institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Periodical analysis is made to compile the responses from the various stakeholders and discuss in BoG. Students feedback are collected for all courses during the mid and end of the Semester. During the mid semester, the staff advisors collect students feedback through online for theory class, labs etc. and evaluate the teaching methods for each course. HOD analyzes the report and discusses with the faculty who needs improvements.

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
BTech	ECE	60	41	41
BTech	CE	60	60	60
BTech	CSE	60	53	53
BTech	EEE	60	38	38
BTech	IT	30	18	18
MCA	MCA	60	18	18
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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	210	18	60	8	1

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
69	60	30	20	10	12
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A group tutor is assigned for every 20 students for their academic and personal guidance. The students can approach the respective mentor for discussions any time, this helps the students to get over their difficulties during learning. The duty of the faculty is not only to maintain discipline but also to redress the grievances of the students through proper mentoring system. Counselors /advisors are assigned to each class or group of students in all departments in accordance with the guidance given by the HOD. Academic mentoring is done by the faculty. The main duty of this advisor or counselor is to carefully monitor the student activities like regularity of attendance, the performance of the students in internal and external tests and semester examinations. Students are advised with remedial classes which help to improve their caliber. The mentor acts as a true friend and guide to the students. Remedial Classes are arranged for slow learners which helps weak students to score better marks. In addition to this there is a strong mentoring system to boost the confidence of the slow learners. The faculty interacts with the students and parents. The students are directed to meet the external counselor if needed. Two trained faculty of the institute are acting as counselors. Apart from this an external counselor visits college twice in a week. The mentoring report is maintained and monitored by the HOD and the Principal.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1002	69	1:15

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
69	69	Nil	6	4

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
2020	NIL	Nil	Nil
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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
BTech	ECE, EIE, CSE, IT, CE, EEE	S3	19/12/2019	28/03/2020
BTech	ECE, EIE, CSE, IT, CE, EEE	S5	20/12/2019	25/03/2020
BTech	ECE, EIE, CSE, IT, CE, EEE	S7	18/12/2019	09/04/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Class tests are conducted in each module. The slow learners are identified and

remedial classes are conducted. After completion of 1st internal assessment tests, parent teacher meetings are conducted. Viva voce exams are conducted during lab hours to assess practical skills of students. Tutorial classes are conducted weekly helps in understanding concepts clearer. Assignments are given regularly to assess problem solving skill of students. Model exams are conducted for all courses after completion of syllabus The students who secured less than 75 of attendance are asked to meet class tutor and HOD with their parents to take corrective action.

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

The College strictly follows an academic calendar. The calendar is made available before the beginning of every Semester, which helps the students, parents and teachers to plan their academic year. Each department functions according to the teaching plan and course plan prepared at the department level. The course work is distributed to every faculty member by the head of the department. The faculty members follow a lesson plan which consists of the details regarding institutional objectives and details of contents to be covered. The following activities are implemented according to the schedule of academic calendar. a) Class committee meetings. b) Internal assessments schedule. c) Syllabus coverage schedule. d) Project review schedule e) Academic audit.

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://www.cev.ac.in/en/wp-content/uploads/2021/07/CIVIL-PO-PSO.pdf>

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
2	MCA	MCA	46	27	58.7
1	BTech	CE	60	34	56.67
1	BTech	IT	36	23	63.89
1	BTech	CSE	64	35	54.69
1	BTech	EEE	42	15	35.71
1	BTech	EIE	26	4	15.38
1	BTech	ECE	40	22	55.00

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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://www.cev.ac.in/en/wp-content/uploads/2021/07/Survey-Result-2016-20-Batch-Exit-Survey-1.pdf>

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	365	KSCSTE	0.5	0
Major Projects	365	CERD	0.15	0
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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
Two-day workshop on Introduction to cloud computing and it's tools	IT	28/01/2020
Two-day workshop on Introduction to cloud computing and it's tools	IT	31/01/2020
Expert Talk in Combinatorial Optimization	IT	25/02/2020
Expert talk on trends in computational science	CSE	22/02/2020
Seminar on Kerala Building Rules	CE	10/03/2020
Workshop on Internet of things	CSE	21/10/2019
Workshop on introduction to coding	CSE	17/01/2020
Activity based soft skill development programme	CE	19/11/2019
Expert Talk on " Opportunities for Graduate Civil Engineers amp Design and Construction of Bridges in Kerala"	CE	21/11/2019
Expert Talk on " Town Planning - Legal basis and practice amp Kerala Building Rules "	CE	21/11/2019
Workshop on Android application development	MCA	30/01/2020

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
NIL	Nil	Nil	Nil	Nil
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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
NIL	Nil	Nil	Nil	Nil	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
NIL		

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

Name of the Department	Number of PhD's Awarded
NIL	Nil

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	CSE	1	2.5
International	CSE	1	3.38
International	CSE	1	2.98
International	CSE	1	2.87
International	CE	1	6.25
International	CE	1	6.26
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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
EEE	1
CSE	5
MCA	3
CE	1
ECE	1
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 the publication	Number of citations excluding self citation
Farmers Perception , Acceptance and Implementation Factor	Aadithya Renjith T T	IJISRT	2019	6.25	AP, CE, CE Vadakara	Nil

towards Soil and Water Conservation Measures						
Synchrophasor Based Islanding Detection for Microgrids Using Moving Window Principal Component Analysis and Extended Mathematical Morphology	Rohikaa Micky R., Ashok Sankar, Sunitha R	IET Renewable Power Generation vol. 14, no. 12, pp. 2089-2099, 7 9 2020, doi: 10.1049/iet-rp-g.2019.1240.	2019	3.894	AP EEE, CE VADAKARA	1
Inferring potential CircRNA-Disease associations via Deep Autoencoder-based Classification	Deepthi K	MDT, Springer	2020	Nil	AP CSE, CE VADAKARA	Nil
An ensemble approach for CircRNA-disease association prediction based on an autoencoder and deep neural network	Deepthi K	Gene, Elsevier	2020	Nil	AP CSE, CE VADAKARA	Nil
Drug repositioning based on the target microRNAs using bilateral-inductive matrix	DEEPTHI K	MGG, Springer	2020	Nil	AP CSE, CE VADAKARA	Nil

completion						
Drug Repositioning Based on Heterogeneous Network Inference	DEEPTHI K	AISC, Springer	2019	Nil	AP CSE, CE VADAKARA	Nil
Techno-economic analysis of WAMS based islanding detection algorithm for microgrids with minimal PMU in smart grid environment	Rohikaa Micky R, Sunitha R, Ashok S	Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland, 2020	2020	Nil	AP EEE, CE VADAKARA	Nil
Strength and Permeability Characteristics of Coir Fibre Reinforced Pervious Concrete	Shabana Salih K	IJCESR	2019	6.26	AP, CE, CE Vadakara	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
NIL	Nil	Nil	2020	Nil	Nil	Nil

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

Number of Faculty	International	National	State	Local
Presented papers	2	Nil	Nil	Nil

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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

One day stall for the sale of LED bulbs	NSS	2	64
Blood donation camp	NSS UNIT collaborate with BDK	2	86
Tree plantation	NSS	2	36
No file uploaded.			

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
NIL	Nil	Nil	Nil
No file uploaded.			

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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NIL	Nil	Nil	Nil	Nil
No file uploaded.				

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
NIL	Nil	Nil	Nil
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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 with contact details	Duration From	Duration To	Participant
Industrial training	Training on Structural Design	ULCCS	22/07/2020	29/07/2020	4
Industrial training	Training on Field Practices	PVS Builders amp Developers	10/07/2020	23/07/2020	1
Industrial training	Training on Field Practices	Landmark Builders, Kozhikode	24/07/2020	29/07/2020	2
Industrial training	Training on	PWD Thalassery	24/07/2020	29/07/2020	4

	Structural Design				
Industrial training	Android Application Development	Sybreeze, K infra, Info park	15/07/2020	19/07/2020	1
Industrial training	HTML, Level 1-Soft skill training, Front end development, Introduction to Frameworks, Java, Android	Keltron, Kozhikode	22/07/2020	28/07/2020	1
Internship	Microcontroller programming	Keltron	20/07/2020	26/07/2020	4
Internship	Applied Artificial Intelligence	Cyber park, Kozhikode	24/07/2020	28/07/2020	4
Industrial training	Ethical hacking and cyber security	Quovadis Robotics	21/07/2020	31/07/2020	14
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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
NIL	Nil	Nil	Nil
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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
420	367

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing

Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	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
KOHA	Fully	3.10	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23940	5664373	79	41925	24019	5706298
Reference Books	2953	1200000	Nil	Nil	2953	1200000
e-Books	419	928691	Nil	Nil	419	928691
Journals	36	116150	Nil	Nil	36	116150
Digital Database	1	Nil	Nil	Nil	1	Nil
e-Journals	1	265000	Nil	Nil	1	265000
CD & Video	2500	Nil	Nil	Nil	2500	Nil
Weeding (hard & soft)	14	2233	Nil	Nil	14	2233
Library Automation	1	Nil	Nil	Nil	1	Nil

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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
NIL	Nil	Nil	Nil

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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
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Existing	515	17	17	1	1	1	7	100	0
Added	0	0	0	0	0	0	0	0	0
Total	515	17	17	1	1	1	7	100	0

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

110 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
NIL	Nil

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
20	18	420	367

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)

The College campus is spread over an area of 21 acres of land. It has an administrative block, 4 department blocks, 5 workshop buildings, Canteen and Substation. The college has 7 academic departments with adequate physical facilities and infrastructure for the existing academic programmes and administrative functions, cocurricular and extracurricular activities. All the buildings of the institution has newly constructed ramp facility for wheel chair or for the easy walking Administrative block comprised of all classrooms, drawing hall for 1st years, centre computing facility and Library. One department block has two departments. One block is meant for Post graduate students College of Engineering Vadakara has 27 classes, 4 tutorial rooms, 2 drawing halls 59 laboratories. All the UG classrooms have a capacity to accommodate 6070 students. All class rooms have ceiling mount LCD projectors, Lecture Stand, Uninterrupted Power Supply, wooden tables and wooden benches. Tutorial rooms are equipped with digital boards and it can accommodate 3035 students. Each department has one tutorial room. Three department block have air conditioned a seminar halls equipped with ceiling mount LCD projector, Lecture Stand, Uninterrupted Power Supply and Sound system. The Conference hall in administrative block is ideal for the meeting of 30 individuals. This employing cutting edge audiovisual, videoconferencing and distance learning facilities. The air conditioned Central Computing Facility has 50 terminals for the internet facility. Internet at 100 mbps is provided through dedicated OFC cable. Around 500 computers are in use in various departments and all are having internet facility. The college having a registered co-operative store with all kinds of stationery materials required for students and staff at reduced price of the college. Basketball court, Shuttle badminton court and football/cricket court are available in the campus The students are accommodated in Four Ladies Hostels with a capacity of 400. The construction work of Ladies hostel in campus is almost completed. Transportation facility is provided by college through 10 Numbers of 50 seated buses for transporting staff and students in the mornings and evenings. The master plan of the College gives direction to the spatial/infrastructural planning and development in sync with

the academic growth. The requirements are submitted by HoDs to the Principal, the relevance of the proposal is discussed in IQAC/ academic council and the proposal is forwarded to head office for sanction. The management will provide administrative sanction after the discussion in executive committee. Major civil works are done through head office, the minor civil works and procurement of lab equipment's/furniture are done from the institution after tendering. The purchase is done as per store purchase rule. The implementation of the policy is primarily through the HoDs, academic council, Management and Principal.

Maintenance of physical facilities The maintenance and upkeep of the infrastructure facilities and equipment of the college is carried out by sweepers, electrician/plumber under the supervision of civil engineer and electrical engineer. Computer Maintenance is done under the supervision of Computer instructor During class committee meetings, students' feedback are taken on infrastructure facilities and suitable actions are taken, wherever required. The corridors cleaned

<https://www.cev.ac.in/en/wp-content/uploads/2021/07/Procedures-and-Policies.pdf>

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	E.K. Nayanar Memorial Scholarship	15	225000
Financial Support from Other Sources			
a) National	Merit cum Means, e-grants	217	8005000
b) International	NIL	Nil	Nil
No file uploaded.			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Ethics and Human Values	26/07/2019	147	External Agency
Communication Leadership skill development Program	30/07/2019	147	External Agency
Mentoring counselling support	29/07/2019	147	External Faculty
Awareness of Cyber Crime	26/07/2019	147	Police department, Govt. of Kerala
Awareness on Drug Abuses	25/07/2019	147	Excise department govt of kerala
Awareness on Traffic Rules	24/07/2019	147	Motor vehicle department govt of kerala
Physical Fitness	24/07/2019	147	External Agency

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 Programme 1	70	Nil	Nil	3
2019	Aptitude and Reasoning sessions.	52	Nil	Nil	3
2019	Pre-Placement Training Programme 2	70	Nil	Nil	Nil
2019	C programming classes	170	Nil	Nil	Nil
2019	Basic Communication skill Development	112	Nil	Nil	42
2019	Pre-Placement Training Programme 3	145	Nil	Nil	Nil
2020	Python and C Classes	72	Nil	Nil	3
No file uploaded.					

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
Nil	Nil	Nil

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
NIL	Nil	Nil	COGNIZANT, TCS, INFOSYS,	Nil	68

EFEONE PVT LTD, SESAME, CODILAR TECHNOLOGIES, CYBERSYS, BYJU'S, ROBOSOFT, BPRACT, MOZILOR, FOX FENNECS SOLUTIONS, BIZTIME IT SOLUTIONS, NUCORE, QBYTEZ, HAPP IESTMIND SOLUTIONS, ULTS, WIPRO . ETC

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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	5	EEE	EEE	GOVT. ENGINEERING COLLEGE, KANNUR	POWER ELECTRONICS DRIVES
2019	1	CS	CSE	GOVT. ENGINEERING COLLEGE, IDUKKI	MTECH IN COMPUTER SCIENCE AND SYSTEM ENGINEERING
2019	1	EC	EC	NIT, CALICUT	MTECH IN SIGNAL PROCESSING
2019	1	EC	EC	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	MTECH IN OPTOELECTRONICS AND LASER TECHNOLOGY
2019	1	EC	EC	COLLEGE OF ENGINEERING, THRISSUR	MTECH IN COMMUNICATION ENGINEERING AND SIGNAL PROCESSING
2019	1	EC	EC	COLLEGE OF ENGINEERING, THALESSERY	MTECH IN SIGNAL PROCESSING
2019	3	IT	IT	Government Engineering College, Barton Hill	MTECH IN NETWORK ENGINEERING

2019	1	IT	IT	KERALA UNIVERSITY	MTECH IN IMAGE PROCESSING
2019	1	EC	EC	VNIT NAGPUR	MTECH IN COMMUNICATION SYSTEMS ENGINEERING
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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	6
Any Other	1
No file uploaded.	

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

Activity	Level	Number of Participants
ARTS	INTER COLLEGIATE	3
SPORTS	COLLEGE	80
SPORTS	INTER COLLEGIATE	95
No file uploaded.		

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
2020	Nil	Nil	Nil	Nil	Nil	Nil
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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)

All students related activities are carried out by the leadership of the college union, advised and facilitated by the staff advisor. All important decisions are taken in the combined meeting of the union executive members, class representatives and association secretaries which are convened regularly. college election Conducted on 19/9/2019, college union inauguration 31/10/19. college union organized many programs like santhwanam program conducted by college union on world food day, food was given to students of the Buds school and valso to those who lived in the streets. Cultural fest named 'saptak 19'. Planned technical fest 'Quasso Liberum 9', website and logo launch happened, program postponed temporarily due to COVID pandemic.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1650

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

Four Executive meetings are conducted. Awarded scholarships to financially backward students with good academics. An amount of Rs 120000/- was expended for scholarships.

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)

30 students of each class are under the tutorship of one faculty. All academic activities are monitored by the tutor. One teaching faculty is assigned as mentor for every 20 students. Mentor will take care of academic as well as personal matters of students and will be available at any time over phone. If the student need more assistance they are recommended to counseling cell of the college. Academic coordinators and IQAC members in each department are responsible for plan and practice of academic matters. Head of Department decide and implement curricular and non-curricular activities of department as per the direction from Principal and higher authorities.

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	Students are admitted in Merit, Management NRI quota as per the norms of the Government and CAPE. Eligibility for admission is as specified in the Common Entrance Examination conducted by the Govt. of Kerala. The merit and management students are directed by the Chief Entrance Commissioner according to the Entrance ranking through online counseling. 60 percent seats are merit seats, 35 percent seats are management seats and 5 percent seats are reserved for NRI students. NRI students are selected directly on merit basis. Merit and Management Quota: The intake of students for the B.Tech programme is based on the rank list prepared by the CEE appointed by the Government of Kerala. The rank is published considering the results of the KEAM and marks of the Higher Secondary Examination in 50:50 proportions. Based on the options regarding institution and programme, opted by the eligible

candidates, the CEE allocates students to the institution following various reservation norms constituted by the Government of Kerala. NRI Quota: Selection to this category is done by the Institute from among the applications submitted by candidates who are declared eligible for admission by the Commissioner of Entrance Examinations, Government of Kerala. Eligibility Conditions for the various programmes are as follows: The minimum eligibility for B.Tech programme in the merit category is a pass in the Higher Secondary examination (2 level) with 50 percent marks in Mathematics and overall 50 percent for Physics, Chemistry and Mathematics put together. For the SC/ST category, a pass in the Higher Secondary examination is the criterion. Post graduate programmes Admission to MCA program is based on rank list published by the rank list approved by DTE. Any Government agency will be entrusted to conduct entrance examination under the supervision of Justice James committee. 100 seats for MCA programme are filled from the rank list.

Research and Development

In order to promote a research culture, CEV has instituted several support systems for conducting research oriented projects, publishing their output in terms of publications, proposal for external funding, application for patents etc. To promote the research ambience, we are associating with various research organizations like Centre for Engineering Research and Development (CERD), Kerala State Science and Technology Centre (KSCTSE), AICTE, UGC under the RD cell. RD cell focuses on

- i) Providing information and research guidance to teaching staff about the various funding agencies
- ii) Encouraging interdisciplinary research
- iii) Motivating the faculty of each department to publish articles.

All the major and minor projects are monitored centrally through RD cell.

Teaching and Learning

At the commencement of the semester, IQAC prepares the academic calendar containing the relevant information regarding the teaching learning schedule, holidays, dates of internal examinations, external examinations,

festivals, meetings of academic council, HoDs, staff, course committee, class committee, internal audit etc. Every teacher is assigned 16 hours of work per week as per AICTE norms. The individual departments prepare their weekly timetable distributing the teaching hours, practical hours, guidance, ward counselling hours etc. The number of actual working days is as per calendar in an academic year, at 6 hours per day comprising a minimum of 70 to 75 days per semester. The College strictly follows an academic calendar. The calendar is made available before the beginning of every Semester, which helps the students, and teachers to plan their academic year.

Curriculum Development

The college is having the affiliated status the courses are approved by the university and AICTE at the time of starting of new course. The scheme, syllabus, detailed curriculum, including course objectives, total credit, list of text books/reference books to be followed and the evaluation pattern are provided by the university. The university encourages the teaching staff to attend syllabus revision meetings. Formal and informal recommendations are given by the faculty members in the curriculum development of various programs. Based on the stakeholder's feedback and the decision of the Academic Council, new reforms are implemented in teaching learning process in the college level. As per curriculum students has to acquire 100 grade points extra. Grade points are allotted for internships, extension activities and extracurricular activities, which enhances overall growth of the students. Revised curriculum in 2019 University also offers B.Tech with minors (optional) which will enhance students interdisciplinary skills as per their choice.

Examination and Evaluation

The evaluation process includes 1/3rd of marks by continuous internal assessment and 2/3rd of marks by end semester examination. Mark distribution is as below for B Tech (2015 Scheme) : Series Test(22040), Assignment(10), Internal Marks(50), External Marks(100),Total(150). Internal marks are provided based on the two series

sessional test and two assignments. Student is eligible to write external exam if he/she acquires a minimum of 23 marks and 75 attendance. Those who get 18 marks can attend summer course. External examination is conducted by University for 100 marks and 45 marks and 75 attendance are required for a pass in the examination. MCA: Series Test(21530) Assignment(10) Internal Marks(40) External Marks(60),Total(100). Valuation of university answer sheets are valued from Central Valuation camp as per appointment by university and cross checked by a second examiner is followed for UG papers PG papers are 1st evaluated by concerned faculty and 2nd valuation is conducted by an external examiner. For 2019 Scheme B Tech, 20 marks are given for attendance, 50 marks are for tests and 30 for assignments/classworks/project etc. in case of theory courses and 20 attendance, 40 each for tests and assignments in lab courses. Passmark for university examinations is 40.

Library, ICT and Physical Infrastructure / Instrumentation

Library: A well stocked, spacious central library with browsing facilities is available to students and staff. It houses about 25,000 volumes of books and subscribes 36 print journals. In addition, the library has a collection 419 e-books and subscribes many e-journals. ICT and Physical Infrastructure / Instrumentation: About 500 computers and several licensed software are available in various labs for students. Extended library working hours is yet another feature.33 ICT enabled classes and 10 interactive digital boards.

Human Resource Management

The recruitment procedures, service rules are made transparent and employees are benefitted with CL, EL, ML and EPF. Nonteaching staff have ESI facility for their family members. Employee's salary will be credited in the bank account directly. The institution encourages the employees for higher education, presenting research papers in National/International conferences with financial assistance under TEQIP.

Industry Interaction / Collaboration

Industry interaction has provided opportunity for the students to undergo in plant training, industrial visit,

etc. Workshops and Expert talks in recent technology are conducted for students under III cell. Faculty and staff are encouraged to short-term industrial training/workshop.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Planning and implementation of curriculum is facilitated through Campus Management System (CMS). CMS software supports faculty in academic planning, teaching learning organization and scheduling evaluation. The CMS provide the status of student's attendance and progress in teaching and is accessible to students, staff and parents. All surveys like faculty survey, exit survey etc are conducted through CMS as per academic calendar Non Liability certificate, Transfer certificates etc is provided through CMS. The CMS has a dedicated short messaging system to deliver important information to its stakeholders. The college regularly uses online payment facility through various payment Gateways like SBI Collect. Salary of faculty and staff is credited to the bank account</p>
<p>Administration</p>	<p>Notice display system is used in the institute. Important notices will be published in the notice board and in college website. The circulars are also circulated using CMS through e notice or SMS.</p>
<p>Finance and Accounts</p>	<p>Fully computerized office and accounts section. Maintaining the college accounts through Tally. A centralized software is used in accordance with head office.</p>
<p>Student Admission and Support</p>	<p>Student Admission is through Kerala Government CEE portal. Campus Management Software (CMS) enables monitoring of all academic activities of the institute. Campus Management System (CMS) software supports faculty in academic planning, teaching learning organization and scheduling evaluation. Online admission including online payment gateway, maintaining student's database. Kerala technological university implemented e governance system for UG and PG Courses which includes modules like certificate verification, credit management system</p>

	with portal for extra activity points and examination modules.
Examination	Examination registration, fee payment result publication are done through KTU portal The examination module of university includes different modules like registration of examination after fulfilling the eligibility in attendance and score in internal marks, conduct of examination using barcode system, double valuation, assignment of papers to faculty, upload of marks for external examination and publication of result through university portal. Question paper setting, scrutiny etc are done through online. The question papers are downloaded from the link provided by university one hour before the commencement of examination.

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	Nill	Nill	Nill	Nill
View File				

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)
2019	NANO ELECTRONICS AND VLSI	Nill	05/08/2019	08/08/2019	38	Nill
2019	CIRCUITS AND NETWORKS	Nill	24/07/2019	26/07/2019	25	Nill
2019	Machine learning	Nill	24/07/2019	26/07/2019	30	Nill
View File						

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	Number of teachers who attended	From Date	To date	Duration

development programme				
NANO ELECTRONICS AND VLSI	2	05/08/2019	08/08/2019	3
NATURAL LANGUAGE PROCESSING USING PYTHON	1	14/10/2019	19/10/2019	6
Simulation Modeling of Electronic Systems	1	09/12/2019	13/12/2019	5
MENTORING AND TRANSACTIONAL ANALYSIS	2	03/12/2019	07/12/2019	5
MATHEMATICAL FOUNDATION ON LOGIC AND COMBINATORICS	3	02/12/2019	07/12/2019	6
COMPUTER VISION AND MACHINE LEARNING	3	24/07/2019	26/07/2019	3
MACHINE LEARNING TECHNIQUES AND TOOLS	1	24/07/2019	26/07/2019	3
Deep learning and Machine Learning Approaches and its Applications	3	09/12/2019	13/12/2019	5
Tools and Techniques for Data Science	1	09/12/2019	13/12/2019	5
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	30	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident Fund, Group Insurance	Provident Fund, ESI, Group Insurance	E grants, Fee Waiver scheme Alumnae Scholarship, Merit Cum Means Scholarship Group Insurance, Cooperative Department scholarship

6.4 – Financial Management and Resource Mobilization

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

Internal audits are conducted during the end of each financial year and after all fee collections. External auditors (Chartered accountants) audits full transactions yearly as per direction from Head office. A group of three from head office and other colleges under management conducted audit during this year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
KSCSTE	30000	Student Project
View File		

6.4.3 – Total corpus fund generated

6000

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	KTU	Yes	IQAC
Administrative	Yes	CAPE	No	Nil

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

The Institute arranges for a parent - teachers meet once in a semester during a weekend. The parents are identified and invited by faculty advisors of all the departments. Student's academic performance, university results, attendance and other related issues are discussed.

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

For the supportive staff at college level Training programs on computer applications, filing, accounts etc., are organized periodically.

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

• Got Consultancies • Students are encouraged for student's internship programs. • Quality research and patents improvement has been addressed.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
Nil	NIL	Nil	Nil	Nil	Nil
No file uploaded.					

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
NIL	Nil	Nil	Nil	Nil

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
MoU signed with KSEB Kerala for solar energy project with capacity of 189 KW under SOURA phase 2 and is under implementation .

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nil
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	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
Nil	Nil	Nil	Nil	Nil	NIL	Nil	Nil
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
NIL	Nil	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Distribution of essential commodities in	05/09/2019	05/09/2019	50

Vilangad tribal colony As part of flood relief			
Blood donation camp	24/09/2019	24/09/2019	200
Santwanam -Distribution of food to people in need	16/10/2019	16/10/2019	50
Stem cell registration	13/11/2019	13/11/2019	250
Blood donation camp	13/02/2020	13/02/2020	200
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Tree planting 2) Use more LED than CFL 3) Mounted incinerator in campus for waste management 4) Banned the use of plastic in campus 5) Waste management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1) Induction program and bridge course: It is noticed that the first year students are facing lot of problems in the start of academic year. Transition from school to college life is one of the most challenging events in a students' life. When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of a university/college. An important task, therefore, is to welcome new students to Higher Education and prepare them for their new role. Purpose of Student Induction Programme is to help new students to adjust and feel comfortable in the new environment. Motivational training, awareness programs, Yoga and physical training, counseling classes and cultural activities are organized for them. Bridge Courses have been designed to provide a foundation in Mathematics, Physics and Mechanics. These courses develop mathematical content of the students to support further studies. And an introduction class in respective branch to aware them what to study in their course. 2) Counseling and mentoring System and remedial classes: A counseling cell is functioning in the college. The Assistant professors who completed diploma in psychiatric training and counseling are in charge of counseling cell. They address the students those who facing problems related to learning, mental challenge, behavior disorder etc. Proper training is provided to them and if needed seeking help from psychologist. In mentoring system A group tutor is assigned for every 20 students for their academic and personal guidance. The students can approach the respective mentor for discussions any time, this helps the students to get over their difficulties during learning. The duty of the faculty is not only to maintain discipline but also to redress the grievances of the students through proper mentoring system. Academic mentoring is done by the faculty. The main duty of this advisor or counselor is to carefully monitor the student activities like regularity of attendance, the performance of the students in internal and external tests and semester examinations. Remedial Classes are arranged for slow learners which helps weak students to score better marks.

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

<https://www.cev.ac.in/en/wp-content/uploads/2021/07/Induction-program-2019.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

1. College of Engineering Vatakara is Institution under Co-operative Academy of Professional Education, Established by Govt of Kerala under Co-operative sector. The college is located in Maniyur Village and Panchayath, Vatakara Taluk, Kozhikode District, Kerala. 2. Our college has a large number of students from the surrounding villages. Most of the students from rural areas poor background, but they are not poor in talent, knowledge and humility. 3. This institution was established on the year 1999. 4. TEQIP funded institution by MHRD 5. During inception, College had 4 B.Tech. degree programmes (ECE,EIE,CSE,IT) and presently it offers 6 B.Tech. and M.C.A programmes. 6. The college is affiliated to A P J Abdul Kalam Technological University, Kerala and approved by AICTE. 7. Each department has their own department associations student chapter and affiliation from their respective National, International Professional associations, societies and institutions.

Provide the weblink of the institution

<https://www.cev.ac.in/en/wp-content/uploads/2021/07/Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

1) Improve student academic performance and university result. 2) Improve the placement through continuous engagement with industries and organizations. 3) Motivate the students to undertake Socially relevant Projects. 4) Encourage students for the achievement of funded projects. 5) Encourage faculty and student publication.