



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		VIMAL JYOTHI ENGINEERING COLLEGE
Name of the head of the Institution		BENNY JOSEPH
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04602-213399
Mobile no.		9048292767
Registered Email		principal@vjec.ac.in
Alternate Email		bennyjoseph@vjec.ac.in
Address		Jyothi Nagar, Chemperi
City/Town		Kannur
State/UT		Kerala
Pincode		670632
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.D.Anto Sahaya Dhas
Phone no/Alternate Phone no.	04602213399
Mobile no.	9486747931
Registered Email	dr.anto@vjec.ac.in
Alternate Email	anto5751@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://vjec.ac.in/public_downloads/calendar/uploads_original/2019-07-30/revised_vjec_academic_calendar_2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://vjec.ac.in/campus/notice-board/#collapse8

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B+	2.67	2019	28-Mar-2019	27-Mar-2024

6. Date of Establishment of IQAC	28-Jun-2018
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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
Interactive learning modules for innovative	27-May-2019 1	26

pedagogy in circuits and electronics		
Research Challenges in Bio-signal and Image Processing for Medical and Health Sciences	25-May-2019 1	15
Recent trends in engineering pedagogy	09-Jul-2018 1	36
No Files Uploaded !!!		

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
Vimal Jyothi Engineering College	Unnat Baharat Abhiyan	MHRD	2019 365	100000
Vimal Jyothi Engineering College	INNOVATE	KSCSTE	2019 365	13537
Vimal Jyothi Engineering College	IRPS	AICTE	2019 365	5000
Vimal Jyothi Engineering College	CERD - Research Seed Money Scheme	APJAKTU	2019 180	159000
Vimal Jyothi Engineering College	CERD - Students Project Scheme	APJAKTU	2019 365	12000
Vimal Jyothi Engineering College	CERD	APJAKTU	2019 365	50000
Vimal Jyothi Engineering College	CERD	APJAKTU	2019 365	20000
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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 :	4
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)											
<p>Under the initiative of ASAP, our college is selected for setting up an advanced skill development center known as ASDC. Under this, a certification course on "Artificial Intelligence Machine learning" is introduced in our college for our students of all branches. All students went for an industrial visit for reducing the gap between curriculum and Industry. Kerala State Information Technology Infrastructure Limited, Govt. of Kerala funded high tech class room was established for imparting skills. Our college signed an MOA with KSITIL on 30 November 2018 for setting up the classroom. Regular skill courses are arranged for all branches to upgrade the skill level of our students.</p>											
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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											
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Helping Flood Affected People</td> <td>In August and September of 2018, the Vimal Jyothi Engineering College students travelled all around the state and helped the flood affected area people. Vimal Jyothi Engineering College staff and Students collected nearly 10 Lakh rupees for the relief activities.</td> </tr> <tr> <td>Focus in placement activities</td> <td>Increased placement</td> </tr> <tr> <td>Entrepreneur development Activities</td> <td>Students started a start up in Start up village, Kochi.</td> </tr> <tr> <td colspan="2" style="text-align: center;">No Files Uploaded !!!</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Helping Flood Affected People	In August and September of 2018, the Vimal Jyothi Engineering College students travelled all around the state and helped the flood affected area people. Vimal Jyothi Engineering College staff and Students collected nearly 10 Lakh rupees for the relief activities.	Focus in placement activities	Increased placement	Entrepreneur development Activities	Students started a start up in Start up village, Kochi.	No Files Uploaded !!!	
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Focus in placement activities	Increased placement										
Entrepreneur development Activities	Students started a start up in Start up village, Kochi.										
No Files Uploaded !!!											
14. Whether AQAR was placed before statutory body ?	No										
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No										
16. Whether institutional data submitted to AISHE:	Yes										
Year of Submission	2019										

Date of Submission	14-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Heraizen Technology Pvt Ltd supports the campus management systems of Vimal Jyothi Engineering College. The software has the following innovative features. Automation Performance Dashboards. College performance planning and tracking based on faculty/student performance. Automation towards NBA preparedness and accreditation. Dashboards with descriptive, prescriptive and predictive analysis. Capability improvement of students faculty Automatic Report Generation Student Faculty feedback, enabling them to focus on strengths and improvement areas. Customization and mobility.. It enhances the capability performance of Students and Faculty thus achieving Continuous Improvement Innovation. Based on Bloom's Taxonomy, the System also comes with a creative quotient for every student to leverage their unique abilities. This model is an innovative way of tracking student performance and has builtin intelligence and analytics for student centric approach based on the concept of outcome based education. The System drives collaboration among students, faculty, management and parents to bring in action based performance improvement.</p>

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

1. Subject/course allocation based on faculty preference, competence /experience, and university syllabus is done through a formal staff meeting chaired by HoD well before the semester starts. 2. Academic calendar, semester plan, and time table are circulated and assessment plans and lesson plans are prepared accordingly. 3. An online campus management system (CMS) is used to assist in implementing major curriculum activities. 4. The lesson plan is prepared with well-defined course outcomes, subject notes, learning materials like PPTs, and manuals for conducting laboratory experiments. 5. Course team meetings are conducted in the presence of the Principal, HoD, and faculty members handling respective classes to check the preparedness for the next semester and contents of the course file which include lesson plans, previous

year university question papers, a module-wise question bank, internal assessment question papers, and assignments. Google classrooms are configured for each subject by the faculty. Resources needed for effective teaching and learning are made available. 6. Course Outcome - Program Outcome (CO-PO) and Course Outcome - Program Specific Outcome (CO-PSO) for each subject are mapped. 7. Content beyond the syllabus to cover the curriculum gap is mentioned in the course file and is handled by the faculty members/ External experts from Industry/Academia. 8. Course delivery as per lesson plan and completion of the syllabus are monitored by HoD. 9. Class committee meetings and course committee meetings for students are conducted every semester before the internal exams. 10. Continuous assessment for laboratory work is done based on viva questions and real-time performance through well-defined rubrics. 11. Value-added programs are delivered by the faculty members/ external experts in each semester. 12. Bridge courses are organized and conducted for students to get an in-depth understanding of the topics. 13. The honor program as per the curriculum is conducted for eligible students. 14. Booster/Remedial classes are provided for academically weak students. 15. To maintain quality, the internal exam question papers are approved by IQAC members and HoD before sending it to the exam cell. 16. Student's feedback is taken twice in the semester for the teaching-learning process for every semester. 17. PTA meetings are called class-wise after the result analysis of the first internal assessment to discuss students' academic progress and other matters. 18. Progress reports for the internal exams are dispatched to the parents to apprise them about their wards' performance. 19. Course files prepared by the faculty members are audited by KTU internal and external auditors at least twice in a semester. 20. At the end of the semester, faculty members prepare a subject report (Report by Faculty) which in turn will act as feedback to the faculty handling the subject in the next academic year. 21. Classes are made available through online platforms such as Youtube for certain subjects. 22. Digital library equipped with e-books is available to both students and faculty members. 23. Each department has its own department libraries to support the students and faculties in the department.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Electrical System Design	NA	26/10/2018	17	Focused on employability	Yes
Red Hat Academy	NA	01/04/2019	10	Focused on employability	Yes
ASAP (AIML course)	NA	12/01/2019	730	Focused on employability	Yes
A six days workshop/Training on MSP and Primavera P6 software	NA	18/06/2019	6	Focused on employability	Yes
BIMLABS Short term course on MEP Modelling Revit	NA	23/03/2019	7	Focused on employability	Yes

10 days of skill development workshop on programming and operations of 3-axis CNC Milling Machine 2 axis CNC Lathe	NA	04/06/2018	19	Focused on employability	Yes
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	180	0

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
One day workshop on "Innovation Intellectual Property Rights"	27/07/2018	60
Three day workshop on robotics and drone design	23/01/2019	30
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Internship at CADD Center	77
BTech	Internship at Rubco Haut Wood PVT LTD. Thalassery	4
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
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Teachers	Yes
Employers	No
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

To improve the methods and techniques of teaching and the teaching environment, we should be aware of the limitations of our present methods and techniques. An efficiently implemented feedback system always helps in improving our current ways. And our institution is among those who believe in the fact that a system which adapts and adjusts itself based on mistakes, is the only one that can survive and excel in its field. Feedbacks from different stakeholders of our institution are obtained, and on the thorough analysis of these suggestions and criticisms, we modify lesson planning, content beyond syllabus workshops, syllabus revisions, and placement training programs. The feedback system implemented is not only used for academic improvements, but these valuable suggestions are taken into account while designing plans for our overall infrastructure development. Alumni Survey An alumni meet is conducted on a yearly basis and we take it as an opportunity to know how well they were able to apply their engineering knowledge gained from our institution, in the real world. Students Feedback The sole purpose of any educational institution is its students. Their feedback is the most important one, as it's on them that we are applying all our methods and teaching techniques. They are the best one to tell what is good and what is not so efficient. During each semester, two online surveys are conducted, to evaluate the teachers. And three-class committee meetings are conducted that give the students an opportunity to raise any issues regarding a particular subject. And based on this feedback, it is decided whether or not to conduct special classes. Parents It's important to know what the parents think about the institution where their wards are studying. The better the relationship between the parents and the institutions, the more trust they would have on our vision and methods. The feedback from the parent is collected, each time a PTA meeting is held. In our institution, PTA meetings are conducted twice, during one semester.

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	AEI, ECE, CSE, EEE, ME, CE	480	474	286
Mtech	Computer Science & Engineering , Thermal Engineering , Control and Instrumentation, Communication Engineering and Signal Processing,	144	19	19

Structural
Engineering and
Construction
Management &
Power
Electronics

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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
2018	1553	60	128	11	12

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
151	151	60	42	1	4

[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)

The new process has been established as Mentoring System. Each faculty will be the mentor of a group of 20 to 25 students and each mentor shall meet the group of students at least twice a month. The focus of mentoring system is on continuous monitoring, counseling, guidance and motivating the students in all academic matters and non-academic.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1636	87	1:18.8

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
129	151	0	0	14

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
2018	Laly James	Associate Professor	Outstanding SB Counselor MSS

2018	Shelma George	Assistant Professor	Outstanding student branch chapter advisor IEEE IAS
2018	Prabin James	Assistant Professor	Outstanding Engineer Award Kerala PES Chapter
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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	AEI, ECE, CSE, EEE, ME, CE	Semester 1	11/01/2019	17/04/2019
BTech	AEI, ECE, CSE, EEE, ME, CE	Semester 3	09/01/2019	01/05/2019
View File				

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

The evaluation process includes attendance, internal assessment marks, and assignment marks. • The question paper pattern for the internal examinations has been standardized by the institution with the help of IQAC . The question paper pattern is similar to that of University question paper. • The Institution follows the evaluation procedure prescribed by the affiliating University. • The student's performance is evaluated with continuous assessment and end semester assessment. The evaluation weightage is 33.33 for continuous assessment tests and 66.66 for the end-semester. • Faculties prepare question papers and upload it in college ERP.Two level scrutinizing of the question paper done by the IQAC member and HOD and distributed to the students at the time of assessment by the exam cell. • Internal test answer books are returned within 10 days from the actual exam date. • Student marks are intimated to their parents through posts/sms. Also the marks of each subject is available in the Heraizen Technologies Pvt. Ltd. (<https://vjgroup.dhi-edu.com>) students portal which the parents can access using login ID and password. • Retests are conducted for students who fail to attend any one of the internal exams with a valid reason with proof. • The academic performance of the student and attendance of the student are maintained in each department through Heraizen Technologies Pvt. Ltd. which can be accessed by students, parents, and staffs. • PTA meeting is arranged every semester to discuss the progress of students in the assessment test.

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

• The academic calendar is prepared for every semester in line with University calendar, which provides the information on scheduled timetable for internal assessments, model examinations and the tentative schedule of University practical examinations in regard to this, the students can plan their studies accordingly • The academic calendar provides the date of commencement of the academic session, duration of semester, date of internal exams, internal assignment dates, final semester examinations, class committee etc. • The Lesson Plan is prepared by the faculties individually with details like Unit wise topics, number of teaching hours allocated for each Unit, the mode of

instruction based on the academic calendar. The time table is prepared well before starting of every semester to avoid any shortfall in syllabus coverage.

- Syllabus completion is tracked through periodic checking of lesson plan sheets, class committee meetings, record of class work and Department meetings. Assessment plan which include issue date, submission date and return date of assignment is prepared based on academic calendar and the same will be configured in the ERP software.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://vjec.ac.in/departments/electronics&communication/>

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
Applied Electronics and Instrumentation	BTech	Applied Electronics and Instrumentation	29	28	96.6
Civil Engineering	BTech	Civil Engineering	97	86	88.7

[View File](#)

2.7 – Student Satisfaction Survey

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

<http://vjec.ac.in/about/naac/>

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
Projects sponsored by the University	180	KTU	159000	159000
Minor Projects	365	UnnatBaharatAbhiyan	100000	100000

[View File](#)

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
Days Hands-on Training Design Competition on Electronic Circuits	Electronics and Communication Engineering	23/01/2019

Hands on workshop on Java Programming and Database	Computer Science and Engineering	22/01/2019
Hands on Workshop on Advanced C Programming	Computer Science and Engineering	29/05/2018
Web development workshop	Computer Science and Engineering	19/03/2019
Workshop on Soft Computing	Applied Electronics and Instrumentation Engineering	09/11/2018
Soft Skill training on competitive English	Dept. Of ASH	30/01/2019
Workshop on C	Computer Science and Engineering	10/04/2019
Invited Talk on Linear Integrated Circuits	Electronics and Communication Engineering	09/05/2019
Workshop on BIM	Civil Engineering	18/03/2019
Workshop on total station	Civil Engineering	27/07/2018
Workshop on Tekla	Civil Engineering	12/11/2018
National conference on recent trends in civil engineering	Civil Engineering	30/05/2019
Training by Sigmos India Pvt Ltd	Electrical and Electronics Engineering	26/10/2018
one week training program on ARM embedded system	Electronics and Communication Engineering	25/06/2018
Three day workshop on robotics and drone design	Mechanical Engineering	23/01/2019
Workshop On Robotics And Automation	Mechanical Engineering	09/03/2019
Entrepreneurship Awareness Camp sponsored by National Science Technology Entrepreneurship Development Board	Mechanical Engineering	28/03/2019
CATIA Training	Mechanical Engineering	24/06/2019
An invited talk on MEP modelling and REVIT	Mechanical Engineering	12/11/2018
Invited Talk On 'Value Added Programs In Mechanical Engineering'	Mechanical Engineering	28/02/2019
BIMLABS Short term course on MEP Modelling Revit	Mechanical Engineering	23/03/2019
Workshop on programming and operations of 3-axis CNC Milling Machine 2 axis CNC Lathe	Mechanical Engineering	04/06/2018
Mechanical Department	Mechanical Engineering	30/03/2019

Tech fest- Mexterious 2018		
Workshop on BIM	Civil Engineering	12/11/2018
One day workshop on "Innovations Intellectual Property Rights"	Mechanical Engineering	27/07/2018

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
Continued performing outstanding student branch chapter	IEEE IAS SB, VJEC	IEEE IAS	16/01/2019	IEEE IAS
Outstanding SB Counsellor MSS	IEEE SB VJEC Branch Counsellor (HOD EEE)	IEEE Malabar Sub Section	01/12/2018	IEEE Malabar Sub Section
View File				

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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	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	Applied Electronics and Instrumentation	4	0
International	Civil Engineering	49	0
International	Computer Science and Engineering	2	0
International	Electronics and Communication Engineering	2	4
International	Electrical and Electronics Engineering	1	2

International	Mechanical Engineering	11	1
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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
Electrical and Electronics Engineering	8
Applied Electronics and Instrumentation	5
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
A Hybridized ELM for automatic micro calcification detection in mammogram images based on multi-scale features	Jayesh George	Journal of medical systems	2019	6	VimalJyothi Engineering College	3
An Improved Classification System for Brain Tumours Using Wavelet Transform and Neural Network	Dr.Anto SahayaDhas	West Indian Medical Journal	2018	11	VimalJyothi Engineering College	1
View File						

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
An Improved Classification System for Brain Tumours	Dr.Anto Sahaya Dhas	West Indian Medical Journal	2018	5	1	VimalJyothi Engineering College

Using Wavelet Transform and Neural Network					
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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	0	0	27	0
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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
Snehathanal	NSS	2	50
Digital Literacy for Kudumbashree	IEEE WIE	3	25
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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
IEEE SB VJEC	Outstanding SB Counselor MSS	IEEE Malabar Sub Section	25
IEEE IAS SB, VJEC	Continued performing outstanding student branch chapter	IEEE IAS	24
Project Contest	Humanitarian project contest	IEEE IAS	23
Advisor	Outstanding student branch chapter advisor IEEE IAS	IEEE IAS	23
Chapter Advisor IEEE PES SBC VJEC	Outstanding Engineer Award Kerala PES Chapter	IEEE PES Kerala Section	24
IEEE WIE SB, VJEC	IEEE WIE SB Affinity Group of the year award	IEEE WIE	15
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	Name of the activity	Number of teachers participated in such	Number of students participated in such

	agency		activites	activites
IEEE WIE	IEEE WIE	Digital Literacy for Kudumbashree	3	25
NSS	NSS	Snehathanal	2	50
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
0	0	0	0
No file uploaded.			

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
To be a well-managed and a motivational experience that also serves as an effective curricular learning tool.	Field Trip	KIAL	06/07/2018	13/07/2018	2018-22 BATCH
To provide an exposure to students about practical working environment.	Industrial visit	FINOLEX CABLE LTD	18/10/2018	20/10/2018	2016-20 BATCH
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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
Kerala State Information Technology Infrastructure Limited, Govt. of Kerala	30/11/2018	For setting up hi-tech class room and video conferencing facility	1500

Additional Skill Acquisition Program, (ASDC) Govt. of Kerala	15/11/2018	AIML Course	34
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1189	1149

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	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	Existing
No file uploaded.	

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 patially)	Version	Year of automation
New GenLib	Fully	3.2	2002

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25200	12600000	1512	756000	26712	13356000
Reference Books	1800	900000	50	40000	1850	940000
e-Books	6000	150000	200	50000	6200	200000
Journals	96	120000	2	5000	98	125000
e-Journals	462	1550000	463	1199000	925	2749000
Digital Database	1	13000	0	0	1	13000

CD & Video	3000	400000	125	25000	3125	425000
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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	643	12	643	4	1	26	97	150	0
Added	60	0	0	0	0	0	0	0	0
Total	703	12	643	4	1	26	97	150	0

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

150 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
LMS	http://vjec.ac.in/
Teachable	https://vjec.teachable.com/
E-content developed by teachers	https://docs.google.com/spreadsheets/d/134mfiJBg59hmysOTMKDqtTayfD_tC3Q5Yn75Fj6whSE/edit?usp=sharing_eil&ts=5c2c3ff8

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
15360000	10386449	14850000	10655976

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 students and faculty of VJEC are actively utilizing the physical facilities like Laboratories, Classrooms, Library, hostel, play ground etc .The class room and other spaces available can be utilized as exam centre on holidays for Government Exams, GATE exams etc on holidays and vacation period. On summer vacation the motivational classes and skilled development courses are conducted for school students and other public. Daily cleaning of class room and open

spaces are carried out by the house keeping people under the supervision of a maintenance supervisor. The maintenance department also takes care of the electrical, plumbing works, gardening with respective skilled technician. Regarding the laboratory at the end of every semester regular checkup of equipment is carried out. The minor repairs are carried out by the technical staff and faculty member as per the requirement. Major repairs of equipments are outsourced to the service centers. For Computer hardware/Network maintenance the procedure is as follows There is a report/status Google form https://docs.google.com/a/vjec.ac.in/forms/d/e/1FAIpQLScVDm5zB6oOd0R6cKfAo76Ym_NYK2iT52KI9jfecqGYAEvWlw/viewform Register the requirements for Maintenance/Repair The complaints registered are sending to respective person. The status is updated For Civil and Electrical maintenance the procedure is as follows: There is a report/status Google form <https://docs.google.com/a/vjec.ac.in/forms/d/e/1FAIpQLSe0L8DVptzCXbsZpsQzSbdL-5mbbvmEoYEj8BY7gW-STf6hEQ/viewform> Register the requirements for Maintenance/Repair The complaints registered are sending to respective person. The status is updated https://docs.google.com/a/vjec.ac.in/forms/d/e/1FAIpQLSe0L8DVptzCXbsZpsQzSbdL-5mbbvmEoYEj8BY7gW-STf6hEQ/viewform?uspsf_link

<http://vjec.ac.in/about/naac/>

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	Management Scholarships	167	4065745
Financial Support from Other Sources			
a) National	Central Sector/Merit Cum Means/ E-grants for SC/OEC	157	8696000
b) International	-	0	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
NPTEL MOOC - 2018	01/08/2018	46	NPTEL
CAMBRIDGE ENGLISH ASSESSMENT - AY 2017-18	01/07/2018	22	CAMBRIDGE ENGLISH
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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

2018	3 DAYS APTITUDE TRAINING	356	0	0	356
2018	TCS SPECIFIC TRAINING	70	0	0	70
2018	INDUCTION	261	0	0	261
2018	CAMPUS CONNECT PROGRAM	47	0	0	47
2018	Post Graduate Diploma in Indtstrial Automation	26	19	0	26
2018	GATE CS	28	0	0	0
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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
2	2	4

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
CMS IT Services	71	26	IBS Technologies	86	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
2018	1	B. Tech	Electrical and Electronics Engineering	Indian Maritime University, Kochi	MBA
2018	3	B. Tech	Electrical and Electronics Engineering	Rajagiri School of Engineering, Kakkanadu, Government Engineering College Idukki, Government College of	M.Tech

				Engineering Kannur	
2018	3	B. Tech	Electronics and Communic ation	1.Govt. Engineering College Idukki 2. Adishankara Institute of Engineering and Technology	M.Tech
2018	3	B. Tech	computer science and engineering	MBA Centre, Mangattupara m kannur University, GEC, Wayanadu, GEC Idukki	MBA, M. Tech
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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	4
GRE	2
No file uploaded.	

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

Activity	Level	Number of Participants
SPORTS	Institution level	780
ARTS	Institution level	650
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	NA	Internatio nal	0	0	0	0
No file uploaded.						

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

Student Council is a group of elected and volunteer students working together with an adult advisor within the framework of a constitution or bylaws to provide a means for student expression and assistance in college affairs and activities, give opportunities for student experience in leadership and encourage student. A student council is a group of student leaders who work with an adult advisor to collaborate with others to impact their school community, which impacts their city or town, which impacts our state, which

impacts our country, which changes the world. Cultural activities provide exposure to innate talents of students who can actively participate conduct cultural programme committees will function under the guidance of teachers. NSS units of our college conduct various activities such as seminars on topic like personality development, blood donation. Many of our college volunteers have participated in the State level national level events. NSS also conducts programmes such as planting trees, adoption of Villages, blood donation camps, etc.,

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

All former students who have graduated from this college shall be eligible for membership of the association. All the final year students of the college shall be associate members of the association. All the members of the teaching faculties of the college shall be ex- officio members of the association. The former members of the teaching staff of the college who have served the college for a period of five years shall be honorary members of the association. Only members whose names are included in the membership register shall have the voting power • To provide a forum for the old students of the College to meet and discuss the matters of common interest. • To promote the interests of the College and its past and present students. • To promote goodwill and mutual assistance among the members. • To contribute to the cause of technical education by sharing the experience of those in the field. • To help the authorities to improve the academic and cultural activities of the college. • To co-operate with the students in literary, cultural and sports activities of the college. • To help the members in employment and service matters without interfering in the policies of their employers. • To arrange and conduct programmes of general and technical nature. • To co- operate with other such bodies for the same ends. • To promote other matters beneficial to prospects of the association

5.4.2 – No. of enrolled Alumni:

38

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Annual meeting on 13 October 2018

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)

1. Principal Level: The Governing body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfil the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty members. 2. Faculty Level: Faculty members are members of various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co curricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tie up with industry experts And appointed as coordinator and

convener for organizing seminars/workshops/conferences FDP. For effective implementation and improvement of the institute, following committees are formed. Other units of the institute like sports, Arts, library, store etc. have operational autonomy under the guidance of the various committees/cells.

3. Student Level: Students are empowered to play an active role as a coordinator of co curricular and extra curricular activities, social service group coordinator. Participative Management The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed by board of management. Both students and faculties are allowed to give any suggestions to improve the excellence in any aspect of the Institute. Strategic Level • The Chairman, Manager, Bursar, Principal, Academic Co coordinator(UG PG) and Staff members are involved in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counselling, training placement, library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. • For the various programs to be conducted by the institute all the staff members will meet, discuss, share their opinions and plan for the event and form various committees involving students and coordinate with each other. Faculties and Staff members are also involved in deciding academic activities and examinations to be conducted by the college.

Functional Level : At functional level, in every academic day the faculty members participate daily in sharing the knowledge by discussing the latest trends in technology and academic progress of students in their Class Committee meeting. Staff members of Accounting department and Bursa of the institute are involved in preparation of annual budget of the institute. Operational level

:The Chairman of the institution is a member of the Governing body. The GB gives suggestions and monitors the procurement, introduction of new programs and welfare activities. The Principal of the institution is responsible for academic, non-academic and administrative activities of the institution. On behalf of the institution, he interacts and corresponds with AICTE, ,Govt. of Kerala, UGC, KTU (Affiliating University), etc .,The budget is earmarked for staff members and students to participate in various programmes organized by the institute.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	The Department Advisory Board (DAB) at PG- UG Levels was constituted with members from industry, expert faculty and student alumni. The Meeting of the DAB is conducted at regular intervals. The ideas obtained from the various bodies are thoroughly discussed by the experts and forwarded to HOD. The feedback collected from the students and alumni for curriculum and suggestions are placed in DAB meetings. Analysis of all collected feedback is done on the employability and value based education.
Teaching and Learning	Forms Academic calendar, Semester plan

and Assessment plan for each semester for the smooth conducting of academic learning. Conduct Faculty Development Programs and encourage faculty and students to participate in workshops, seminars, conferences etc. Encourage and motivate faculty members to pursue higher education. Power point/Smart Classroom facilities to motivate and help students to do minor educational projects in related area/topics. Motivate and help students to do industrial projects and encourage them to participate in both national and international competitions. Conduct External and internal academic audits on a regular basis. Workshops by alumni on current trend/technology. Progression of students is continuously assessed. . Conduct booster classes for weak students based on internal assessments. Financial support to students for participating in competitions.

Examination and Evaluation

Institute has adopted reforms to maintain the quality of teaching and learning process and improving academic standards • The institution continues to adopt improved examination process.

- Examination reform - The Course instructor prepares the question paper for the respective courses and will be forwarded for IQAC and which will be then forwarded to the examination cell.

Further evaluation of answer scripts with respect to those courses is also done by respective course instructor.

The students are provided with an opportunity to access their answer script of each course. This process happens immediately after the announcement of results. All the copies (internal) are shown to the students. •

- For each department 4 Internal exams and 1 resit exam for the students who have missed any one of the exams on account of genuine extenuating circumstances and one end semester examination are conducted. •The internal examinations are conducted by the Internal Examination Cell •
- Assignments and seminars are part of internal examination conducted by respective teachers. • Regular tutorial and booster classes are conducted. •
- Continuous evaluation is carried out through regular tests, assignments, and projects.

<p>Research and Development</p>	<p>The Institute facilitates, monitor and encourage the research activities. Meetings are conducted to discuss various plans to promote research and motivate the faculty for academic advancement and keep track of the different government schemes and schemes of other agencies like CSIR, DST, DBT, DRDO, CSIR and KTU. • Creation of inter and multidisciplinary research teams. • Organizing conferences/seminars/workshops/training programmes. • Sponsoring faculty members for attending different conferences /seminars/workshops. • Encouraging faculty towards getting projects. • Establishment of department research committees. • Faculties are encouraged for publication in reputed journals and book publication. • Sabbatical leave is provided to faculties and College provides registration fees and travel cost for attending reputed National/International conferences. • Subscription to both printed and online journals. • Financial assistance is provided to projects. • Many research papers are published by students. We also promote IRPS research culture for students in the campus. Final year students can apply and their projects will be further evaluated by an expert committee and the selected research papers expenses will provided by the college.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Institute Central Library was established with nearly 32000 books and 1550 books were added during 2019-2020 period and 140 print journals having e-learning resources with 6000 eBooks and 800 e-journals were added. The Institute has more than 724 computers. Each department is provided with computer and internet facilities. The institute has well established classrooms, seminar halls, auditoriums and fully equipped laboratories. Other amenities such as canteen, Coffee house, Infirmary, hostels, basketball court, indoor auditorium, prayer room and common halls, are available. Each department of the College has well established laboratories with modern equipment. The institute has well build gymnasium for all the staffs and students of the campus.</p>

Human Resource Management

Delegations of responsibility - some of the key responsibility areas are identified and delegated at different levels - Office function, Principal, HOD, and Program Coordinators. Academic Council - All academic matter through academic council Internal Quality Assessment Cell (IQAC) Participatory Management - Subcommittee for different functional activities comprises representatives of teachers, nonteaching staff and students. It includes the involvement of the staff for organizing different programmes of the college. Faculty Development Programmes are organized by the college on regular basis. Performance appraisal system is practiced. Promotion policy - College follows the promotion policies of the Higher Education Department. In addition, College also has introduced seniority based and performance based promotions. Policy for compensation - College extends the following benefits to the staff members. Such as: Provident fund - Each member of the staff shall subscribe to College Provident Fund after 8years of working in college in accordance with statutory rule. Staff Health Group Insurance-The Institute in collaboration with Star Health Insurance Company provides medical insurance for all the staff members, The management will bear a part of the instalment. In the Year (2019-20) it was for Teaching Faculty - Rs.3000/year and for Non Teaching Faculty - Rs.4000/year, the remaining amount will be deducted from the salary as Monthly instalment. Maternity Leave-90 days with half pay (The leave salary shall be paid in 10 equal monthly instalments after rejoining duty). All teachers are treated at par. As a part of the continual quality improvement policy of the college, it has been decided to give Incentives to the staff members publishing papers in conferences and journals (both national and international).

Industry Interaction / Collaboration

Institute has interaction and collaboration with reputed research organizations, industries and institutions in India and abroad. It has 2 MOUs and also has several interdisciplinary and multidisciplinary projects in collaboration with other reputed organizations. Many faculty

	<p>members are involved with different consultancy programs. This increases the institute industry interaction. Many reputed organizations conduct training programs and workshops for student's .Alumni of the institute working in different reputed government/private/MNCs/academia are regularly invited to address the students. Department based industrial visits are conducted.</p>
Admission of Students	<p>The Institute has a well organized and transparent admission system. All admissions are based on merit in accordance with the rank obtained in the KEAM .Also scholarships are given to meritorious students on joining in our college.</p>

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

E-governance area	Details
Planning and Development	<p>Smart Class rooms- Each department is provided with computers having internet facility .The Institute Central Library has adequate no. of books, journals, computer with internet facility and provision for digital library. From Morning 08:30 am to evening 06:00 pm library facilities are provided by the institute for the students and faculties. All the academic activities are done in software Spaneos.</p>
Administration	<p>Internet access to all machines and 150 MBPS leased line . Wi-Fi facility throughout the institute. Leave and Attendance of Faculties can be tracked through the software (Spaneos). Administrative information is digitalized and all the departments of the institute are provided with computer data cable network facility. CCTV surveillance system is enabled for the entire Campus, Central library and all the existing facilities.</p>
Finance and Accounts	<p>Fully computerized office and accounts section. Tally System for maintaining the accounts in accounts department.</p>
Student Admission and Support	<p>Internet WI-FI facility is provided in hostels. E-Learning resources were created using e-Journals and e-books. The library provides e-Journal facilities. Online admission including online payment gateway. Maintaining student database through Spaneos software.</p>

Examination	Student's registration forms for examinations are online. The hall tickets are received online. Internal exam results will be available in college software (Spaneos) for access to students and parents under each student's login.
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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
2018	Manoj V Thomas	International conference on Bitcoin-The future Investment at Thailand	-	29000
2018	Shelma George	-	IEEE IAS	6860

[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	National conference on recent trends in civil engineering(nc rte 2019)		30/05/2019	30/05/2019	35	0
2019	AutoCAD workshop		04/01/2019	06/01/2019	0	6

[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 development programme	Number of teachers who attended	From Date	To date	Duration
Emerging technologies in infrastructure development	5	06/07/2018	08/07/2018	3

Moodle Learning Management System	9	15/03/2019	15/03/2019	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
151	151	61	63

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • EPF • Staff Association for Mutual Empowerment (SAME) • Medical Insurance (with Management Contribution) • Medical Leave • Maternity Leave • PhD Leave • PhD incentive • Incentives for publications and results • Salary advance • Laptop loan without interest • Travel grant • Family quarters and hostel facilities • Recreation tour • On duty for attending FDP, Conferences and examination duties • Gymnasium Facilities 	<ul style="list-style-type: none"> • EPF • Staff Association for Mutual Empowerment (SAME) • Medical Insurance (with Management Contribution) • Medical Leave • Maternity Leave • PhD Leave • PhD incentive • Incentives for publications and results • Salary advance • Laptop loan without interest • Travel grant • Family quarters and hostel facilities • Recreation tour • On duty for attending FDP, Conferences and examination duties • Gymnasium Facilities 	<ul style="list-style-type: none"> • Merit scholarships by management • GATE Coaching, Civil Service Academy • Language Lab-BEC • Booster Classes, Bridge Courses • Support for travel abroad • Student Counselling • Soft skill training • Arts day, Sports day, Peace Club, Tech fest, Technical Exhibition • Class committee, Student Council, Sports, Arts College Magazine committees • Graduation Day • Registered Alumni Association • Hostel Facilities • Gymnasium facilities • Internet facilities

6.4 – Financial Management and Resource Mobilization

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

Vimal Jyothi Engineering college is a self financing institution. The college is run by collecting fee from its students. The accounts of Vimal Jyothi Engineering college are audited regularly as per the government rules. VJEC has an account section headed by the Bursar of the college, which controls the entire fund. The account officer examines receipts and payments with vouchers and necessary supporting documents. He also ensures that all payments are duly authorized. An external auditor conducts statutory audit at the end of every financial year. The college files income tax return every year with in the stipulated time.

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
NA	0	NA
No file uploaded.		

6.4.3 – Total corpus fund generated

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	ISO 9001 Team KTU Team	Yes	IQAC
Administrative	Yes	ISO 9001 Team	Yes	IQAC

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

Our Institute has a vibrant Parent-Teacher Association, to understand the perceptions and expectations of parents towards the activities designed and implemented for the students. Every year we have 2 class wise PTA meetings (once in each semester immediately after the first internal exams of all batches) exclusively to focus on the improvement of academic activities of our students Also we have an annual PTA General body, (including all the parents) once in an year. Apart from that, a PTA executable committee has been constituted with 14 members from the general body, Including Batch wise parent representatives to follow up and evaluate the decisions taken by the General body. The executive committee will meet once in every two months and some special occasions, where the sudden decisions to be initiated, in connection with the student supporting activities. Institution believes in maintaining a holistic relationship between teachers and parents and this approach is helpful to improve the quality of our education system and well-being of our overall development.

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

Different development programmes are organized for support staff such as: Computer-based skill development trainings, Medical insurance scheme worth of 5 lakhs including the family members of each staff, Mutual assistance fund raising scheme named SAME(Staff Association for Mutual Empowerment).

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

Arranged National and International level conferences, Arranged FDP for the teaching faculty, Conducted number of seminars, workshops and conferences at a regular intervals, Conducted many campus drives for the placement of final year 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	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
2018	Recent trends in engineering pedagogy	09/07/2018	09/07/2018	13/07/2018	36

2019	Research Challenges in Bio-signal and Image Processing for Medical and Health Sciences	20/05/2019	20/05/2019	01/06/2019	15
2019	Interactive learning modules for innovative pedagogy in circuits and electronics	27/05/2019	27/05/2019	01/06/2019	26
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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
Let me speak out	13/03/2019	13/03/2019	12	0
Explore about less known features in our laptops and phones	12/03/2019	12/03/2019	8	9
IEEE WIE AG VJEC conducted a motivational speak by Mrs.Suraja Nair (Executive Engineer at Kerala Water Authority)	08/03/2019	08/03/2019	38	120
WIE spot presentation contest	30/03/2019	30/03/2019	20	0
Logo quiz competition	07/03/2019	07/03/2019	9	11
Debate Competition	07/03/2019	07/03/2019	10	8
Poster creation contest	06/03/2019	06/03/2019	6	4
WIE affinity group under	11/02/2019	11/02/2019	15	0

IEEE SB VJEC conducted a program to inspire women to step into technology				
Health & Hygiene Awareness for women	07/11/2018	07/11/2018	50	0
Digital literacy for Kudumbashree Women	06/11/2018	06/11/2018	30	0
IEEE WIE conducted Self Defence workshop for women	14/09/2018	14/09/2018	50	0

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
Grid connected Solar PV was operating in our campus with 50 kW power generation capacities along with roof solar panel of 2kW power supply. This takes care of 25 of the power supply we need.

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	11	11	10/04/2019	1	Charity Pilgrim	First Year	41

students of Electronics and Communication Engineering went on a Charity Pilgrim to Karunapuram, Alakkode

2018	11	11	26/02/2019	1	Tribute to our Indian Army	NSS volunteers paid tribute to the brave souls who lost their lives in Pulwama Terrorist attack. Volunteers gathered at the main gate and light candles to pay tribute.	45
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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)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
First Year students of Electrical Electronics Engineering went on a Charity Pilgrim to Thiruraktha Asramam, Karuvanchal.	10/04/2019	10/04/2019	25
First Year students of Civil Engineering went on a Charity Pilgrim to Vilakkannur, Chemperi	10/04/2019	10/04/2019	78

First Year students of Applied Electronics and Instrumentation Engineering went on a Charity Pilgrim to Psycho-Social Rehabilitation Centre, Vellad	10/04/2019	10/04/2019	11
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Go Green Club of the college is functioning with a vision to make the college campus green and eco-friendly.
- Rain water harvesting facility with 30 lakhs storage capacity.
- Grid connected Solar PV was operating in our campus with 50 kW power generation capacities along with roof solar panel of 2kW power supply. This takes care of 25 of the power supply we need.
- Three Bio-gas plants, with a total capacity of 30 cubic metres are operating in our campus.
- Sewage treatment plant for water recycling.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices - 1

1. Title of the Practice: Sustainability Development Initiatives

2. Objectives of the Practice: Create awareness among students, staff about protecting environment. Conservation and effective use of Natural Resources. Know methods to maintain and create additional natural resources. Motivate student and staff to adopt them personally and get benefited, which will uplift the society

3. Context Modernisation of social living, increase in industries, less knowledge and awareness on natural resources, unlimited usage of easily available natural resources, less importance on the usage of the renewable energy, has created a threat to the nearing emptiness of the available natural resources.

4. Practice 47.2 lakhs litres of Rain water (RW) is stored. Solar PV roof top solar panels provide 52kW power supply. Solar water heaters are used in hostels. Bio-gas plant uses waste from kitchen and mess halls as fuel. Used Water from kitchen, hostels is sent to waste water treatment plant. Effective system to collect the waste. Plastic free zone.

5. Evidence of Success The stored RW is used for 45 days. Solar energy is sent to the grid. Bio-gas is used for cooking purpose. The treated waste water is used for gardening. The wastes are disposed-off without affecting the environment. Purification plant uses rain water for purified drinking water. Received Commendation Certificate 2017 from Kerala state for using Renewable Energy sources. Good, efficient group of maintenance staff is available.

6. Problems Encountered and Resources Required Frequent maintenance of RW storing tanks. Periodically cleaning of solar panel surfaces. Dedicated team to maintain greenery in campus. Difficult to create awareness about "3R's" of Environmental Sustainability among students and staff.

Best Practices -2

1. Title of the Practice: Concurrent Employment Enhancement Programme

2. Objectives of the Practice: Increase employment opportunities for final year students. Train on current industry practices beyond syllabus. Help students to acquire additional job by specific skills, industry relevant certifications. Develop self confidence in student's for employment

3. Context Presently employment is a choice of self-decision. Now acquiring additional skills for employment is a must. Students prefer parallel learning and save time. College wants to improve student's employability.

4. Practice Course fee is collected by the trainer from joining students. HOD helps to conduct the course. Company signs a MOU. Department and trainer discuss with student's parents. Trainer gives syllabus,

class schedule and conduct the course in the college. After completion of course, company will arrange for employment. The last fee instalment is paid after employment only. 5. Evidence of Success Courses offered are volunteered by students. Students opting for course increase every year. Good feedback from students. Students initiate additional courses. Parents express a satisfactory opinion about additional course. Student welcomes parallel learning. 6. Problems Encountered and Resources Required Joining the course is restricted by the financial component involved. Using college resources affects the regular class. Changing resource persons hinders the continuous learning. Difficulty in getting last instalment of fees from student. Students find difficulty in parallel managing regular course work and training course work.

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

<http://vjec.ac.in/about/naac/>

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

Centre of Excellence in a Rural Area: Our college is located in Eruvacherry Village and Panchayath, Taliparamba Taluk, Kannur District, Kerala. Within a radius of 30 km, we don't have any other engineering college. Our college is the brainchild of the Catholic Archdiocese of Thallassery, started in the year 2002 with an aim to serve the rural society. During inception, college had 3 B.Tech. degree programmes (ECE,EEECSE) and presently it offers 6 B.Tech. (Mechanical, Civil, Electronics and Communication, Electrical and Electronics, Applied Electronics and Instrumentation and Computer Science) and 6 M.Tech. programmes with an approved yearly intake of 480 students in B.Tech and 144 students in M.Tech. We are affiliated to A P J Abdul Kalam Technological University, Kerala and approved by AICTE, New Delhi and has 2 NBA accredited B.Tech. programmes (CSE EEE). We are having PhD programmes in 4 departments. We have a very good infrastructure facility to satisfy the norms and conditions of the affiliating, approving and accrediting professional bodies. We have about 20 of students from rural area and our college bus operates to a radius of 60 km from our college. Scholarships from Government for meritorious, BC, MBC, SCST is being distributed to eligible students. Our college management also offers scholarships for needy students from rural area to encourage them to complete their engineering education. Each department has their own department associations student chapter and affiliation from their respective National, International Professional associations, societies and institutions. This gives an opportunity to expose our students to their activities and become a part of them. This creates a good professional attitude in students and increases their employment possibilities. A good solar field, solar water heaters for hostels, a bio-gas plant, an excellent rain water harvesting and storing system, an efficient water treatment plant, a hygienic water purification unit, a pleasant greenery environment in 2/3 area of the campus, well maintained as a part of the Environmental Sustainability development procedures in our campus.

Provide the weblink of the institution

<http://www.vjec.ac.in>

8.Future Plans of Actions for Next Academic Year

COMPOSTING: Sustainability and going green are all the rage. For most of us, recycling glass and plastic bottles, aluminum and metal cans and cardboard, newspaper and other paper products has become automatic, but what about the rest of our waste?. Organics such as food scraps, food soiled paper products, leaves and grass clippings comprise over 60 of our waste stream and are completely

recyclable. That's where composting steps in. Composting is a natural process to turn organic material into a soil amendment and is possible in almost every setting. You can get things started. From small worm compost bins in the classroom, to composting lunch scraps we can make a difference one apple core at a time. Nature recycles by breaking down organic material and re-using it. Composting is the accelerated form of this decomposition process. In order for nature to decompose, microorganisms eat and inhabit decaying matter to break these materials down even further. Compost happens when materials are gathered in a bin or pile, moistened, and aerated. Fungi, bacteria, and invertebrates are able to take over and composting happens. In the end, the finished product is humus, dark brown organic matter which builds up soil, saves space in the landfill, and teaches schoolchildren how nature recycles. College could be encouraged to reduce their food scraps by separating excess food for donations and composting the remainder. Reducing, donating and composting excess food can have a major impact on "greening" both your financial bottom-line and the environment. We can close the loop on the food system by diverting food waste from landfills and turning it back into soil to grow more food. There are a number of ways in which composting can be integrated into the curriculum while meeting many learning outcomes. Integrate recycling/composting into college level program, have a poster contest in art program, collect re-usable items as a community service project are some feasible strategies.