



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution	Vimal Jyothi Engineering College
• Name of the Head of the institution	Dr.Benny Joseph
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04602212240
• Mobile no	9048292767
• Registered e-mail	principal@vjec.ac.in
• Alternate e-mail	bennyjoseph@vjec.ac.in
• Address	Jyothi Nagar, Chemperi
• City/Town	Kannur
• State/UT	Kerala
• Pin Code	670632
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

- Name of the Affiliating University **APJ Kalam technological University**
- Name of the IQAC Coordinator **Dr.D.Anto Sahaya Dhas**
- Phone No. **04602212240**
- Alternate phone No. **04602213399**
- Mobile **9486747931**
- IQAC e-mail address **dr.anto@vjec.ac.in**
- Alternate Email address **hodece@vjec.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)) www.vjec.ac.in

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: www.vjec.ac.in

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.67	2019	28/03/2019	27/03/2024

6.Date of Establishment of IQAC **28/06/2018**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NA	NA	NA	NA	NA

8.Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year **3**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Received QS I-GUAGE E Lead Certification

Smooth conduction of online class in pandemic situation

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

Plan of Action	Achievements/Outcomes
To apply NBA accreditation for ECE and AEI department	Submitted
To improve placements in core companies	Improved

13. Whether the AQAR was placed before statutory body? **No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

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9.No. of IQAC meetings held during the year			3		
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Name	Date of meeting(s)
Nil	Nil
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020	30/06/2020
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	

17.Skill development:	
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):	
20.Distance education/online education:	
Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	13
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	1655
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	26
File Description	Documents
Data Template	View File

2.3	407
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	115
Number of full time teachers during the year	
File Description	Documents
Data Template	No File Uploaded
3.2	115
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	112
Total number of Classrooms and Seminar halls	
4.2	84.63191
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	792
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
Vimal Jyothi Engineering College is affiliated to APJ Abdul Kalam Technological University (KTU) and follows the curriculum and	

syllabi prescribed by the University. College has devised various strategies to ensure outcome based learning and for strengthening our teaching learning process. These are mentioned below,

- 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.
- Academic calendar, semester plan, assessment plan and time table are circulated and lesson plans are prepared accordingly.
- Lesson plan is prepared with well defined course outcomes, subject notes, learning materials like PPTs, and manuals for conducting laboratory experiments.
- Course Outcome - Program Outcome (CO-PO) and Course Outcome - Program Specific Outcome (CO-PSO) for each subject are mapped.
- Content beyond syllabus to cover the curriculum gap is mentioned in the course file, and is handled by the faculty members/ External experts from Industry/Academia.
- Classes are conducted as per the lesson plan.
- Course delivery as per lesson plan and completion of syllabus is monitored by HOD.
- Course team meetings are conducted in the presence of the Principal, HoD, and faculty members handling respective classes to check the availability of lesson plans, internal assessment question papers and assignments.
- Advisory meetings are conducted in the first year before the internal exams in the presence of senior faculty advisor, faculty advisor, faculty members, students and parent representatives. This is conducted to ensure the quality in academics and to solve any grievances from the student side.
- Class committee meetings are conducted for students in every semester before the internal exams. Class committee meetings consist of a Chairman (external to the Program), faculty members handling classes, class tutors, student representatives consist of class representatives, top 3,

average 3 and bottom 3 students of the class. Suggestions raised in the meetings are considered and ATR is circulated to the members.

- Continuous assessment for laboratory work is done on the basis of viva questions and real time performance through well defined rubrics.
- Value added programs are delivered by the faculty members/ external experts in each semester.
- Bootcamp is organized for first year students to give an introduction to B.Tech courses.
- To maintain quality, the internal exam question papers are approved by IQAC members and HOD before sending it to the exam cell.
- Student's feedback is taken twice in the semester for the teaching learning process for every semester.
- PTA meetings are called class wise after the result analysis of the first internal assessment every semester to discuss students academic progress and other matters.
- Progress reports for the internal exams are dispatched to the parents to apprise them about their wards' performance.
- An online CMS tool is used to prepare the CO and PO attainment for the courses.
- 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.
- Course files prepared by the faculty members are audited by KTU internal and external auditors at least twice in a semester.
- Institution always encourages and supports the faculties to attend FDP/workshops to enrich current technologies.
- Each class has a mentoring system with 20 students assigned to one faculty.

- Digital library equipped with e-books is available to both students and faculty members.
- Apart from the central library, each department has their own department libraries to support the students and faculties in the department.
- Top 3 students in university and internal exams are motivated by providing them with certificates of appreciation.
- Faculty members recommend MOOC courses to get an in-depth knowledge in the subjects.
- Google career readiness program was made to pre-final year students to prepare them for a career as Associate Cloud Engineer and Data Analyst.
- Coursera courses are provided to students to motivate them for lifelong learning.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course

Name of the Diploma Courses

Date of introduction and duration

focus on employability/ entrepreneurship

Skill development

Redhat

December 2020

Focused on employability

Skill Development

Online training on Fusion 360

19 September 2020 - 26 September 2020

Focused on employability

Skill Development

Google career readiness program

05 November 2020

Focused on employability

Skill Development

Online CNC training

10 May 2021- 14 May 2021

Focused on employability

Skill Development

National Initiative for Technical Teachers Training

February 2021

Focused on employability

Skill Development

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

<p>1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University</p>	<p>D. Any 1 of the above</p>								
<table border="1"> <thead> <tr> <th data-bbox="86 658 529 712">File Description</th> <th data-bbox="529 658 1436 712">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 712 529 896">Details of participation of teachers in various bodies/activities provided as a response to the metric</td> <td data-bbox="529 712 1436 896" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 896 529 958">Any additional information</td> <td data-bbox="529 896 1436 958" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Details of participation of teachers in various bodies/activities provided as a response to the metric	View File	Any additional information	View File			
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Any additional information	View File								
<p>1.2 - Academic Flexibility</p>									
<p>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p>									
<p>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</p>									
<p>0</p>									
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Institutional data in prescribed format (Data Template)	No File Uploaded								
<p>1.2.2 - Number of Add on /Certificate programs offered during the year</p>									
<p>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</p>									
<p>18</p>									

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1555

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Gender :

Gender equality, equality between men and women, entails the concept that all human beings, both men and women, are free to develop their personal abilities and make choices without the limitations set by stereotypes, rigid gender roles and prejudices.

- Vimal Jyothi ensures that equal opportunity is given to both genders in terms of admissions, employment, and training programmes as a result of which gender issues generally do not arise.
- Institution ensures equal representation of students (both genders) in students union, course committee, class committee.
- Archana Varadaraj, S5 EEE is selected as the Vice chair of IEEE WIE AG VJEC, Women in Power Campus representative of IEEE PES Kerala Chapter and she is a member of Malabar Hub Student documentation team

Human Values and Professional Ethics:

Vimal Jyothi is committed to provide quality education in engineering and technology, to transform the youth into committed technical personal for the social and economical well being of the nation with integral development of the personality and character building.

- Charity pilgrimage is organized every year by the college to make the students aware of social responsibilities.
- Anti-drug campaigns have also been conducted by this institute.
- Plagiarism Checking is strictly followed in any type of publication.
- A well formed code of conduct is formulated to motivate the students become a responsible citizen.
- The project Mask Reminder done by S5 EEE student team got 5th place in idea sharing competition segment of International Covid19 Congress (ICC 2020) conducted by IEEE Bangladesh Section.

Environment and Sustainability:

The following are some of the initiatives towards integrating environment and sustainability into the curriculum:

- Signed MoU with National Highway Authorative of India

- Go Green Club of the college is functioning with a vision to make the college campus green and Eco-friendly.
- Faculty have published number of books in the area of environment and sustainability.
- We have various projects and publication related to sustainable development.
- Rain water harvesting facility with 30 lakhs storage capacity.
- Grid connected Solar PV farm with 50 kW generation capacity 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 metre is operational in our campus. Sewage treatment plant for water recycling.

List of core courses related to Sustainable development :

- Introduction to sustainable engineering
- Humanities
- Engineering Geology
- Economics and Business Management
- Environmental Engineering and Disaster Management
- Environmental Engineering 1
- Geotechnical Engineering 1 & 2
- Energy Conservation
- Business Economics/Life Skills
- Energy Management and auditing
- Environmental Engineering

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

4

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

497

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

B. Any 3 of the above

from the following stakeholders Students Teachers Employers Alumni	
File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File
1.4.2 - Feedback process of the Institution may be classified as follows	C. Feedback collected and analyzed
File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment Number Number of students admitted during the year	
2.1.1.1 - Number of students admitted during the year	
485	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)	
2.1.2.1 - Number of actual students admitted from the reserved categories during the year	
26	

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The Institution identifies the advanced learners through their Academic Performance, class room discussion, Co-Curricular and Extra-Curricular activities.

Advanced Learners:

Advanced Learners are encouraged to

1. Participate in Technical quiz to develop analytical skills
2. Improve their presentation skills
3. Secure University ranks, awards and Prizes in various competition
4. Publishing papers / projects in symposium
5. Publishing papers in Conferences and Journals
6. Students to prepare for competitive exams such as GATE
9. Professional bodies
10. Research activities, apply for project grants.
11. Mentoring system. Mentors collect and maintain the attendance, internal test marks of every mentees of their class; with this information the students are motivated by the mentors to improve their overall performance.
12. Students scholarship.
13. Teaching faculty in general provide constant support and guidance in day-to-day activities.

Slow Learners:

1. All slow learners are given academic counseling.
2. For the benefit of students motivational lectures are organized.
3. The class In-charge, Mentors looks into details regarding the academic performance, completion of academic requirements, health follow-ups and grievances, if any.
4. They also interact with the parents on issues related to academics, and progress of students.
5. Internal test and end semester marks are communicated to parents periodically through progress report. Mentors counsel the slow learners and encourage them by providing class notes, reading materials and solved university question papers to avoid the risk of drop out.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1646	115

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Teachers make classes as interactive as possible and encourage innovative thought and novel interpretations. Audio- Visual methodology, Language Lab, Google Classroom, Industrial Visits, Field Work, workshops, Seminars and Projects are some of the means utilize by the Departments to provide experiential and

participative learning.

Internal assessments are so planned so as to encourage students to work independently. Written Assignments are required to be submitted by students and these need to be done individually by researching on the given topic so as to enhance confidence, develop writing skills and hone style, apart from inculcating an interest in research activities.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as PPT, Video clippings , Audio system, online sources, to expose the students for advanced knowledge and practical learning. Most of the faculty use interactive methods like google classroom which was a better platform for assignment and note submission.

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

244

1. Projector
2. Laptop
3. Computer

4. Internet

42

1

1. GOOGLE CLASSROOM
2. GOOGLE MEET
3. LMS
4. TEACHABLE

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)**2.3.3.1 - Number of mentors**

78

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality**2.4.1 - Number of full time teachers against sanctioned posts during the year**

115

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

15

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

810

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

- The evaluation process which includes attendance, internal assessment marks, assignment marks and pattern of end semester examinations are printed and distributed to all the students.
- The question paper pattern for the internal examinations has been standardized by the institution with the help of internal question paper evaluation committee duly nominated by the concerned department head. The question paper pattern is similar to that of University end semester 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.
- Internal assessment I covers module I , module II, module III (half), Internal assessment II covers module III (half), module IV, module V.
- Faculties prepare question papers and upload it in college ERP Heraizen Technologies Pvt. Ltd. two level scrutinizing of the question paper done by the IQAC member and HOD it is 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. 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 exam with a valid reason with proof.
- The academic performance of the student and attendance of the student are maintained and recorded in each department through Heraizen Technologies Pvt. Ltd. which can be accessed by students, parents, staffs, HoDs and Principal.
- PTA meeting are arranged in every semester to discuss the progress of students in assessment test. During PTA meeting parents are also informed about the KTU web portal and college

ERP .

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

There is complete transparency in the internal assessment. The criterion adopted is as directed by the university. Various internal examinations are being performed throughout the semester. Some of them are series1, series 2, assignments, lab continuous evaluation, project evaluations, etc.

- At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester.
- The internal assessment test schedules are prepared as per the university and communicated to the students well in advance.
- To ensure proper conduct of formative tests, invigilators are assigned to each hall.
- Evaluation is done by the course handling faculty members within ten days from the date of examination.
- The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately.
- The marks obtained by the students in internal assessment tests are uploaded in the ERP software .
- The final internal mark obtained by the students are uploaded periodically on the university web portal along with their attendance.
- Noting the values in observation and validating the theoretical aspects student must submit lab record regularly.
- Day to day performance of the students is assessed for every experiment which includes punctualiity, performance, viva and the promptness in submitting the record.
- For lab courses, the marks/grade scored by the student for each experiment is indicated in the observation/record and also in ERP.
- The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory

courses.

- For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.
- The end examination for the laboratory and projects shall be conducted with internal and external examiner .

Redressal of grievances at institute level:

Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests. The marks are allotted based on defined strategies and displayed on notice board. Query if any is discussed with faculty and HOD.

College Level: The Institute appoints a DeanExam for smooth conduction of examinations . If students are facing any problems, they are solved by the institution Examination cell of the college. The grievances during the conduction of online/theory examinations are considered and discussed in consultation with the Principal and if necessary forwarded to the university by examination section.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution.

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

<https://www.vjec.ac.in/departments/electronics&instrumentation/>

<https://www.vjec.ac.in/departments/computer-science/>

<https://www.vjec.ac.in/departments/mechanical/>

<https://www.vjec.ac.in/departments/electrical&electronics/>

<https://www.vjec.ac.in/departments/civilengineering/>

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The program outcomes are measured by considering the course outcomes for all the courses in an academic year. Course outcomes for each course are mapped with the program outcomes and program specific outcomes. The attainment is calculated through direct and indirect assessment methods. The program outcomes are measured by considering the course outcomes for all the courses attended the period of study. Course outcomes for each course are mapped with the program outcomes and program specific outcomes. The attainment is calculated through direct and indirect assessment methods.

Tools Used: In general, assessment tools used are grouped into 6 categories– (i) Final University Exam, (ii) internal series tests, (iii) Assignments (iv) Lab Continuous assessment marks (v) Seminar & Project Marks. (vi) Feedback.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

392

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Nil

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

12

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Institution has created an ecosystem for innovation by establishing the Research and Development Cell and The Innovation and Entrepreneurship Development Centre (IEDC) and

Industry Institute Partnership Cell (IIPC) for creation and transfer of knowledge.

1. Innovation and Entrepreneurship Development Cell (IEDC):

VJ Inspire is the Innovation and Entrepreneurship Development Cell of Vimal Jyothi Engineering College. VJ Inspire is a 'not for profit' installation supported by a mentor network of academicians, industrialists, capitalists, technical specialists and managers established assisting the entrepreneurs from the idea stage to final product. We are providing a series of services to our students including Idea formulation, field survey, Idea validation, experimental modeling, Prototype building, Mentor

network, Business and Strategic Planning , Market research and analysis, Sales strategy formation, digital Marketing and promotion, Financial planning, Human resource management, office establishment, tutoring , specialized workshops and training, Patents and IPRs, Legal and taxation issues, Lab facilities etc. All the services under VJ Inspire is free of cost.

2.Industry Institute Partnership Cell (IIPC):

The ultimate aim of imparting professional education is to endow the student's industry-ready by providing exposure to current industry practices and to secure job in any platform. Thus, it is essential for any reputed Institution to have perpetual interaction with the industries. The IIPC established in VJEC is determined in acquiring the following objectives:

- To enhance the relationship between the Institute and industry.
- The college is keen in updating the curriculum of variegated departments as per industrial demands.
- IIPC reflects in updating knowledge base of professional's in different emerging sectors through development programmes and interactive sections with industry experts.
- It enables the students in implementing their theoretical knowledge to practice by executing projects in various industries.
- The cell facilitates in the process of providing consultancy services to the industries and business organizations by utilizing the expertise of faculty members and students.
- To provide abetment to industries in areas such as testing the quality of various components as per the industrial standards and in ensuring that they meet the desired specification requirements.
- It also takes keen interest in encouraging and supporting the students to visit various industries and technical exhibitions, in order to augment and move one step ahead in the existing cordial relationship between industry and institute.
- To provide internship, industrial training programs for pre-final year students to acquaint them beforehand with the demands of the corporate atmosphere.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

35

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	No File Uploaded

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

4

File Description	Documents
URL to the research page on HEI website	https://ktu.edu.in/eu/core/registeredResearchScholars.htm
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

13

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

2

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Response:

The Institution has established a network with neighboring community and implemented various extension programs to address the needs of neighboring community.

- In order to ensure holistic development of students, the Institution encourages students to involve in community service to develop good citizenship.
- Student members of NSS have taken part in activities like blood donation camp, awareness rally for blood donation and AIDS awareness

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

1

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

0

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	No File Uploaded

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

0

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	No File Uploaded

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

3

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Vimal Jyothi Engineering college from its installation enrich the physical, Infrastructure facilities to meet the requirement of the University It is affiliated with Kerala Technological University and other statutory bodies like AICTE.

Class Room Facilities:

The institution has 43classroom, 21tutorial rooms , 40 laboratories and 8 seminar halls to conduct the regular classes for its UG and PG programmes.ICT enabled classroom facilities make the students more interactive .All the classrooms are equipped with LCD projectors, LCD and LAN and WIFI connected facilities. The available physical infrastructure is optimally utilized beyond regular college hours, to conduct value added courses, co-curricular activities/extra-curricular activities, parent teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences. It is used as an examination centre for Bank Recruitment examinations, Government examinations/University Examinations like GATE, KPSC, UPSC.

Laboratory Facilities:

Adequate and well equipped laboratories are available in all departments of VJEC to practice the students based on curriculum and beyond that .All the departments are having their own project lab to facilitate the students to simulate, develop and test the prototype models of their main project and mini projects. Yaskawa moto man robot ,3D printer, CNC lathe, IOT lab, IOS lab with Mac machine, Intel Galileo lab are some of the major pieces of equipment available in the project lab.

Computing facilities:

The students and staff can access the 24X7 wifi connectivity inside the campus with their individual login ids, with notable speed of 172 Mbps. The college is equipped with 725 computers with latest configurations. The state of Art IOS lab is useful to the students and researchers to develop their competency in latest computing field.

Library:

VJEC has centralized automated library with reading room and digital access facility apart from the each departmental library

Training and Placement Cell (TPC):

To train the students towards the carrier development VJEC is functioning a dedicated TPC. The language lab, seminar halls, auditorium are utilized for such training periodically.

Innovation and Entrepreneurship Development Cell(IEDC):

VJ Inspire is the Innovation and Entrepreneurship Development Cell of Vimal Jyothi Engineering College. A series of services like Idea formulation, field survey, Idea validation, experimental modeling, Prototype building, Mentor network, Business and Strategic Planning , Market research and analysis, Sales strategy formation, digital Marketing and promotion, Financial planning, Human resource management, office establishment, tutoring , specialized workshops and training, Patents and IPRs, Legal and taxation issues, Lab facilities etc. are provided to the students

Transport:

To overcome the tropical drawback of remote location the college plays busses from most of the areas covering the Kannur district.

Residential facility:

Separate hostels for boys and girls students and family quarters for staffs are available inside the campus.

Generator:

Apart from state grid power consumption VJEC generates 50Kwh energy through in house solar power generation. The three diesel generator with capacity 62.5KVA, 125KVA, 250 KVA ensures the uninterrupted power supply inside the campus for day and night

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Outdoor Play Fields, Athletic Track, Cricket pitches, Indoor Stadium with state of the art facilities, Table Tennis, Basket Ball, Badminton, Volley Ball and Modern Gymnasium are available at VJEC in order to facilitate the students in sports and games activities.

Sports

The campus have several facilities for sports and recreational activities. The institution has 13656 sq m of ground for athletics track, with two basket ball court, one volley ball court one Kho-Kho field, Three badminton court one indoor auditorium with the area of 1558.73m² are available for the sports activities. We are having exclusive space for GYM and fitness centre. To train the students in sports and games we are having one male and one female physical trainers.

Cultural:

Every year the arts day is celebrated in the college in which a lot of cultural activities are takes place like traditional dances, stage play mimics etc. The cultural festivals like Onam are celebrated every year with lots of cultural activities. Apart from that the hostel days are celebrated in each hostel with a bunch of cultural programs. We are having fine arts club to coordinate the cultural activities. Three halls and one auditorium are fulfilling the space required for these activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

51

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

84.63191

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

- For Integrated Library management system VJEC has Koha software
- Subscribed to Electronic Resource Management package - DelNet
- Inter library loan facility with DelNet
- Federated searching tools to search articles in multiple databases are available
- Library remote access facility on <https://library.vjec.ac.in/>
- In-house / remote access to e-publications are available
- The online reference facility is available for public access
- Library is equipped with internet connectivity with a bandwidth of 150 Mbps
- Online e-journals like Science Direct, IEEE Xplore are

subscribed

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

12.41183

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

150

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

In the entire campus together with college and hostels, all the computers are connected by the LAN/Wi-Fi by 172 Mbps speed capacity broadband provided by BSNL India Ltd., with backbone optical fiber connectivity. Sufficient Optical fiber ports and Ethernet ports are provided over the campus, for laptops/devices in need of internet connectivity. Previously from years 2011 to 2016, the institute maintains its internet facility with 2Mbps & 10Mbps connections. The latest configuration systems are available in computer laboratory. The college has 50 wifi hotspots with Wi-Fi controller to cover the area throughout the college. CYBEROAM CR 750ing hardware firewall and six manageable switches from CISCO to prevent unauthorized access to and from the private network to prevent the unauthorized Internet users. VJEC has 792 computers, 6 IBM servers and 1 storage server with SAS technology. As per the curricular needs all the departments are having the latest software in their fields. Some open source software like Linux, Unix are also utilized effectively. Apart from the curriculum the latest industrial needed software are available with the departments in order to train the students with the current industrial trends. There is a separate iOS lab with 15 iMac machines to train our students in iOS app development using technologies such as SWIFT and Objective-C.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

792

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

115.50464

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

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 update

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://docs.google.com/spreadsheets/d/1NVxTL8FvZArJ3Bx1b6vyD5THY_88085V_LIspZ2L24c/edit#gid=1353759527

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

182

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

487

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://vjec.ac.in/placement/#overview
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

93

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

93

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

205

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year**5.2.2.1 - Number of outgoing student progression to higher education**

4

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

1

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student Council is a group of elected and volunteer students working together within the framework of a constitution or bylaws to provide a means for student expression and assistance in the institution affairs and activities, give opportunities for student experience in leadership and encourage students. 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 that will function under the guidance of teachers. NSS units of our college conduct various activities such as seminars on topics 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.,

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

00

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

All former students who have graduated from this college shall be eligible for membership in 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 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

File Description	Documents
Paste link for additional information	https://vjec.ac.in/alumni/#collapse3
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Inspired with the vision and mission, VJEC shoulders the great responsibility of intellectual betterment of students as well as social transformation, towards perfection. It has been the cherished goal of the college to inculcate in the students a desire, to excel, to demonstrate originality and to develop a sense of responsibility towards the society. Our college tries to build up the mind of the students towards the development of rural India and humanity. VJEC is committed to provide quality education in engineering and technology, to transform the youth into committed technical personal for the social and economical well being of the nation with integral development of the personality

and character building.

Nature of Governance

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thallassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self financing catholic minority institution aiming at generating a fervor for Engineering and Technology in students. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology. With profound insight into the resource requirements of the higher education system, VJEC has proudly set up world-class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC. Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, CSI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process. Effective implementation of quality control processes ensure Engineering graduates with the expected level of knowledge, skill and attitude. The Management strictly adheres to the recommendations of its Governing Council. The governing council meeting is convened twice a year and all aspects of academic and non-academic matters are discussed threadbare and decisions are taken to benefit all the stakeholders of the system

File Description	Documents
Paste link for additional information	http://vjec.ac.in/about/vision-mission/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

1. Principal Level: The Governing body delegates all the academic and operational decisions

based on Policy to the Academic team headed by the Principal in

order to fulfil

the Vision and Mission of the Institute. Academic team formulates common

working Procedures and Formalities, then entrusts the implementation with the faculty members.

2. Faculty Level: Faculty Members are members of various committees/cells and allowed them to conduct various Programs to showcase their abilities. They are encouraged to develop leadership qualities and 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 etc. for effective implementation and improvement of the Institute .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. Students are actively involving in social service groups too as coordinators. 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 valuable suggestions to improve the excellence in any aspect of the Institute.

4.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, Rules and regulations pertaining to Admission, Placement, Discipline , Grievance, Counselling, Training placement, Library services etc. They are effectively implementing the same to ensure the 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. Staff members are also involved in deciding Academic activities and examinations to be conducted by the college.

5.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 Bursar of the institute are involved in preparation of annual budget of the Institute.

6.Operational level :The Chairman of the institution is a member of the Governing body. The GB

gives suggestions and monitoring the Procurement, introducing 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, Principal 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.

File Description	Documents
Paste link for additional information	https://vjec.ac.in/about/naac/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategy Type

Details

Curriculum Development

The Department Advisory Committee (DAC) at PG- UG Levels was constituted with members from industry, expert faculty and student alumni. The Meeting of the DAC 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 DAC meetings. Analysis of all collected feedback is done on the employability and value based education.

Teaching and 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. Various scholarships are given to students for academic excellence.

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 which is then submitted to IQAC for approval. 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 2 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.

Research and Development

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. Faculties from various departments are qualified with research guideship • Creation of inter and multidisciplinary research teams. • Organizing conferences/seminars/workshops/training programs. • 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. • Seed money provided to projects. • Many research papers are published by students.

Library, ICT and Physical Infrastructure / Instrumentation

Institute Central Library was established with nearly 33000 books and 850 books were added during 2020-2021 period and 98 print journals having e-learning resources with 6200+ e-Books 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 with projectors, 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.

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 programs of the college. Faculty Development Programs 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 installment. In the Year (2020-21) 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 installment. Maternity Leave-90 days with half pay which is paid in 10 equal monthly installments after rejoining duty. 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 members are involved with different consultancy programs. This increases the institute industry interaction. Many reputed organizations conduct training programs and workshops for students. Departments may organize interaction with alumni of the institute working in different reputed government/private/MNCs/academia and seminars by persons from industry in online/offline mode to address the students on a regular basis at convenient timings. Department based industrial visits are conducted.

Admission of Students

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.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://vjec.ac.in/campus/central-facilities/
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Service rules, policies and procedures are available in the public domain in the college website for greater transparency and accountability. The list of policies is given below:

- Recruitment policy
- Promotion policy
- Leave policy
- IT policy
- Mobile phone usage policy
- Transportation policy
- Anti- Ragging policy
- Campus- Code of conduct
- Staff Health insurance policy
- Incentives for publishing papers
- Norms regarding sponsorship of faculty for PhD program

Governing Board- Vimal Jyothi Engineering College:

Functions and Responsibilities of Governing body:

1. Propose academic related projects and get the approval of the Board of Trustees.
2. Advice the Board of Trustees in implementing the projects related to both academic and administrative.
3. Evaluate the progress of the projects implemented.
4. Act as a coordinator between management, staff and students.
5. Take part in formation of some policies like promotion, incentives etc.

HOD's and Principal: HOD's and Principal meet on every Wednesday at 2.30PM to discuss and decide on all matters pertaining to the

day to day running of the college. One or two observers from the management also used to be present in the meeting, so that resource requirement for the actions to be allocated without delay. Faculty and other officers (Librarian, placement officer, enquiry committee members, Arts/sports in charges etc.,) are called in as special invitees as and when required to assist the decision-making process.

The mechanism and composition of Grievance Redressal system:

Following are the avenues for Grievance Redressal system available for students:

- Individuals can report to tutor which could escalate to HOD/ Principal
- Class committee meetings
- Class PTA meetings
- Grievances and Appeals Committee, Statutory Committee for Kerala Technological University students

Redressal of the majority of the grievances is eventually taken care of by the respective departments and the faculties in the class committee meeting. A few common grievances are dealt with at the level of Principal. All other specific cases which cannot be resolved at the department level will be sent to the appropriate committees which are mentioned above. Moreover, a suggestion box has been kept at the foyer for the students to write their complaints and suggestions. This box is opened in the presence of internal complaint committee. This committee looks into the complaints and redirects it to the appropriate committee for resolution if it is beyond their power or control.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://vjec.ac.in/about/naac/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above
File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File
6.3 - Faculty Empowerment Strategies	
6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff	
<p>Teaching</p> <ul style="list-style-type: none"> • 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 • Travel grant • Family quarters and hostel facilities • Recreation tour • On duty for attending FDP,Conferences and examination duties • Gymnasium Facilities <p>Non teaching</p> <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
- Travel grant
- Family quarters and hostel facilities
- Recreation tour
- On duty for attending FDP, Conferences and examination duties
- Gymnasium Facilities

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/campus/notice-board/
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

13

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

62

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

1. Faculty Appraisal: Faculty members are evaluated based on Academic Performance in terms of Result attained, Paper Publications, Extra-curricular

activities and increments are provided.

2. Peer Review: Peer evaluation of the class is done by peer faculty members.

VJEC policy - Peer observation

3. Financial aid for the Research Publications: Faculty members can get financial help from institution for

publishing research papers.

4. Student Feedback: At the end of each semester student's feedback about the performance of the staff members are collected.

5. Faculty development programs: Faculty members are motivated for attending various FDPs. They can also avail financial aid for attending these programs.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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.

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/about/audited-accounts-report/
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

NIL

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Every department will prepare the advance budget required for the next academic year in terms of obtaining lab equipment, laboratory facilities and infrastructure and up-gradation of computational systems. The budget plans received from various departments are consolidated and normalized based upon the total income anticipated through the students' tuition fee. Additional funds are mobilized in case of emergencies / shortage through loans from banks. Departments are encouraged to obtain grants through consultancies, Seminar / workshop grants from AICTE, KSCSTE etc., While utilizing the funds, the expenditure involved in procuring the equipment is collectively negotiated by a committee consisting of the Bursar, Administrator, Principal, Head of the Department and faculty in-charge for the Laboratory. Staff is also instructed to make use of the equipment for more number of batches within the college time frame work. Inter department coordination is encouraged for the effective usage of lab equipment and seminar halls

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/about/audited-accounts-report/
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Example 1 - Mentoring System Mentoring is a proven, cost-effective strategy to engage students in undergraduate programs. Effective mentoring begins with the faculty. Far from being an optional extra, or a task to be attended as time permits, mentoring is as essential to a faculty member's success as teaching, research and publication are, and for same reasons it benefits both students and mentors as it advances the discipline, ensuring the quality and commitment of the next generation of scholars. Scheme is adapted for the value additions to the students like Bridging the gap between the teachers and students Creation of a better environment in college, where students can approach teachers for both educational and personal guidance. Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication Awareness and support to students for competitive exams like GATE. Motivation for higher studies and entrepreneurship Guidance and support for improvement in academic performance. Ongoing Process Regular meetings are held between mentor and mentee. A report card is maintained for each student The report card has both personal and academic details Students are allowed to approach the mentor for both academic and personal problems Personalized professional / career advice is given to the mentee. In addition counselling is offered to the needy students by the campus counsellor.

Example 2 - Special Skill Improvement Training A number of skilled programs are conducted regularly to upgrade Skills and Knowledge of students. Infosys campus connect offers training to various computer technologies / platforms prevalent in the industry. Students are trained in both hard and soft skills. Training and Placement cell organizes number of programmes to develop soft skill and aptitude abilities of students. In association with Prolific systems and YOKOGAWA India ltd., training is provided to the students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Example 1 - Department Advisory Board (DAB) The College has been reviewing the outcomes of its teaching process at periodic intervals and has been modifying its policies and methodologies to suit the requirement of all its major stakeholders. Department Advisory Board is constituted for each branch. Head of the Department, senior faculty member of the department, representatives of management, industry, alumni, students, PTA and academic experts are also the members of DAB. Roles and responsibilities: Approval of Vision and Mission of the department. Approval of Program Educational Objectives, Program outcomes, Program specific outcomes. Approval of Department Assessment plan and semester plan. Analysis of attainment levels by different assessment tools. Feedbacks from students and faculties are collected for the further improvement of the department. Approval of revision and changes in the PSO, Vision and Mission, if required. Recommending additional courses for filling the curriculum gaps.

Example 2 - Internal Academic Audit team The Internal Academic Audit team consists of faculty members who have great knowledge in the subject and are well experienced. The team evaluate the activities that done throughout the semester for the improvement in academics. We are listing the activities that are counted for the continuous improvement in academics.

- Detailed lesson plan of each course is prepared by the concerned faculty at the beginning of the

semester according to the syllabus and academic calendar framed by KTU for the effective completion of syllabus.

- Academic calendar is prepared during commencement of the academic year with the dates of unit

tests, internal assessments.

- Implementation of Bridge course in the beginning of each

semester providing value addition, soft

skill training and giving intro to each subjects based on current scenario. It helps the students to attain maximum performance in placement process.

- Each faculty is maintaining a logbook for recording the students' attendance and track the syllabus

coverage which is periodically attested by the HOD.

- For the regular tracking of portion coverage, attendance, internal assessments etc we are getting the

assistance of Spaneos software. Every activity we are going through is recorded up-to-date in the software so the Principal and HOD can easily monitor the activities.

- The Software will provide information to the parents about the attendance of the students

immediately.

- The continuous evaluation system prescribed by KTU requires only two assessments throughout

the semester and that too only for theory subjects. VJEC has made it more continual with additional two continuous assessments for every theory subject. Assessment is done based on the performance of each experiment along with viva-voce questions. This has made the teaching learning process more effective and meaningful.

- Booster classes are made mandatory to all weak students in every semester, which are being

monitored by mentors/ coordinator. Students are facilitated with a provision in the time table.

- Internal academic audits are conducted by the IAAT to ensure the follow up of system.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://vjec.ac.in/about/naac/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender sensitivity facilitates women and men to enjoy the same status and equal opportunity to exercise their human rights and feel their full responsibility and capacity, especially young women. Several programmes under gender sensitization are conducted on various topics on Women's day which create awareness and aims in changing behaviour of the students by providing their comfort in the study spot.

Safety and security

- Separate ladies hostel with all essential requirements are

being provided.

- Separate medical room facility with visiting lady doctor and 24 hrs nursing service.
- Girl students participating in sports and cultural or any co-curricular activity outside the college are being accompanied by lady staff members and physical directress
- The College Student Vice-Chairman post is always for a girl student
- There are two student representative in each class. One male student and compulsorily one female student.
- Providing transport facilities for all inmates of the ladies hostel in case of outing etc
- The seating arrangement in the bus, class room, dining hall are earmarked for girl students and lady faculty members
- Campus is well lit with lights and fitted with CCTV camera where ever necessary
- Campus is secured with well-trained group of security personnel, avoiding the possibilities of unauthorised entry and exit, in the campus

Counselling

- Counselling for students from someone who is not a friend or a family member, gives an opportunity to talk and think about their problems and difficulties and it helps them to find a reasonable solution.
- Faculties are available to mentor the students with depression, psychological problems and even gender related issues.
- In addition to the mentorship by faculty members, professional counsellors are available in the campus to counsel the identified students.

Common Room

- Common room facilities are available in every block.
- Every floor in each building has a separate toilet for men and a separate toilet for women.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	B. Any 3 of the above
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File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management
--

<p>Solid Waste Management</p> <p>We effectively collect the vegetable waste from hostel kitchen, vegetable waste from canteen, waste food from mess halls and processed to produce bio-gas used for cooking. 3 Bio-gas plants, with a total capacity of 30 cubic metre is in operation in our campus. The excess food waste is used to feed the cattle in farm.</p> <p>Liquid Waste Management</p> <p>Used Water collected from kitchen wash, wash basins, cloth washing and bathrooms of hostels are sent to the waste water treatment plant in our campus. The water treated through treatment plant operating with activated sludge process (capacity of treating 2 lakh liter per day) is used for gardening.</p> <p>E-waste Management</p>
--

The computers found beyond economical repairs are collected and stored in a separate place. We get vendors who take this scrap items (E-waste) for a price and they substitute with new item as per the computer labs requirement. The e-waste generated is given to the external recycling agencies who purchase the scrap and reuse the useful components. Also, the electronic and electrical instruments beyond economic repair are given to students during the lab sessions to dismantle and reassemble for application oriented learning. Guest lectures on hazardous management of e-wastes are arranged.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	D. Any 1 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	B. Any 3 of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The NSS reflects the essence of democratic living and upholds the need for self-less service. Our institution organizes different events such as traffic safety awareness programs, anti drug campaign etc in order to make students socially conscious. We do organize special camps once in a year in rural areas in order to motivate them to strive hard for the well-being of the society. Charity pilgrim visits are organized yearly for the first year students. Students get the opportunity to visit various pilgrimage centers such as Deena SevaSadan, ThirurakthaAsramam etc. Beyond their academics, they get a chance to experience and interact with the people over there.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Constitution of India has been taught to all branches of engineering students. Their understanding of the Constitution of India is being tested through internal test, additional submission of assignments and ultimately appearing for a university exam. We could see their interest in knowing the various rights of a citizen, their duties and responsibilities. They also now remember the corresponding Article numbers. They are aware about the method

of selection, duration of responsibility and duties of President, Prime Minister, Vice President, Attorney General, Governor, Chief Minister, Advocate General, Members of Parliament, Members of State Legislature, Council of Ministers, Attorney General, Commissioners of Various Responsibilities, etc. They know that a written document (Constitution of India) exists, which takes care of all citizens rights, responsibilities and duties, and also a book of instructions to run the government and keep the country in peace. We are proud to know that we have the longest constitution hand written by our own leaders in our language (Hindi & English), which takes care of the welfare of our citizens.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our institute organises National level and State level festivals in the campus to inculcate the spirit of patriotism, love and respect fellow citizens, to know, understand, follow, upkeep and maintain the heritage, culture and traditional habits of our society.

Various competitions are conducted for the students and staff by College arts society, NSS and Go Green Club, to create awareness about the event, develop friendship and cultivate love for the institution.

We celebrate, Independence Day, Teachers Day, Onam Festival, Gandhi Jayanthi, Christmas Day, Republic Day, Good Friday, Easter Sunday, Nabi Thinam, Ifthar party every year.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

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 of liters of Rain water (RW) is stored. Solar farm & 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 are 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 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 welcome 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 parallelly managing regular course work and training course work

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Centre of Excellence in a Rural Area

Our college is located in EruvacherryPanchayath, Taliparamba Taluk, Kannur District, Kerala. Within a radius of 30 km, we have no other engineering college. We have about 20% of students from rural area and college bus operates to a radius of 60 km from our college. Scholarships from Government for meritorious, BC, MBC, SC&ST is being distributed to eligible students.

Our college management offers scholarships for needy students from rural area encouraging them to complete their education. Each department has their own associations, student chapter and affiliation from respective National, International Professional associations, societies and institutions. This aids to expose students to their activities and become a part of them. This creates a good professional attitude in students and increases their employment possibilities

Kerala State Renewable Energy Commendation Certificate 2017, was awarded to our college in 2017 for the achievements towards the utilization of Renewable Energy. Office bearers of EEE student chapter went to USA, to receive the Best Student Chapter award.

Our next step is to start Ph.D. programme in all the departments which will be an ultimate move to make our college as a Centre of Excellence in a Rural Area.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

For the successful implementation of activities for the next academic year, it is always good to have a balance between curriculum related activities and extra-curricular activities. For more clarification in teaching learning process smart class rooms which incorporates virtual reality platforms will be implemented. In order to improve the versatility and job skills workshops and conferences on recent market trends will be conducted throughout the year. In addition to academic excellence, for the betterment of intellectual and artistic responses there will be more workshops and festivals on literature and arts stimulated events. So as a total by proper blending of the events the overall healthy growth of student community can be ensured.