



YEARLY STATUS REPORT - 2021-2022

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.Roshini T V				
• Phone No.	04602212240				
• Alternate phone No.	04602213399				
• Mobile	9496402767				
• IQAC e-mail address	iqac@vjec.ac.in				
• Alternate Email address	deanacademic@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		

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Received QS I-GUAGE E Lead Certification 2. Smooth conduction of online class in pandemic situation 3. Achieved MOE IIC 3 Star rating Award 4. Received ARIAA Promised band ranking, 5. Received District Green Champion Award for Action Plan Committee, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management. ISO 9001:2015 certification.</p>		
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	Accredited	
To improve placements in core companies	Improved	
13. Whether the AQAR was placed before statutory body?	No	
<ul style="list-style-type: none"> Name of the statutory body 		
Name	Date of meeting(s)	
Nil	Nil	
14. Whether institutional data submitted to AISHE		

Year	Date of Submission
2022	28/02/2022

15. Multidisciplinary / interdisciplinary

Based on NEP 2020, The institute provides B.Tech Minor degree courses along with B.Tech regular courses. A Minor is an additional credential, a student will earn if he/she does minimum 20 credits worth of additional learning in a discipline other than his/her major discipline. The objective is to permit a student to customize their Engineering degree to suit their specific interests. Upon completion of an Engineering Minor, a student will be better equipped to perform interdisciplinary research and will be better employable..

The college has always strived for a multidisciplinary approach in its academic as well as co-curricular activities. Students are encouraged to undergo minor/major projects in the Multidisciplinary/ Interdisciplinary mode by formulating teams from different courses. Students are also encouraged to formulate teams from different disciplines to participate in various events like Hackathons conducted by KSCSTE etc.

Add-on courses are provided in interdisciplinary areas to increase the breadth of the domain of knowledge and students are encouraged to take interdisciplinary electives to enable them to function in a multidisciplinary setting in real world projects. On top of the above all invited lectures and seminars are offered to the students in the field of interdisciplinary topics.

Following are some of the interdisciplinary programs offered by our college

1. BTech Applied Electronics and Instrumentation.
2. BTech Computer Science and Design
3. BTech Computer Science and Business Systems

16. Academic bank of credits (ABC):

The institute has registered on Academic Bank of Credit via National Academic Depository with NAD ID NAD034947 and is encouraging the students to register with ABC.

The institute has implemented a policy for students to take online

courses through online mode through National Schemes like SWAYAM, MOOC, NPTEL, etc, and is considering credits earned against elective courses and Minor and Honor courses. Revision of the curriculum has been started for year 2021. These revisions are applicable for students admitted in session 2021-22 and onwards. We are in the process of developing a system for executing ABC in true spirit.

17.Skill development:

The following skill development programs are offered by the institute to the students as a part of carrier guidance and vocational training

1. CNC programming skills
2. Employment enhancement program
3. AutoCAD, STAAD PRO
4. ETABS
5. Coding skills in popular languages
6. ICT Enabled Language skill programs

Apart from this the institute provides hands-on exposure to practical subjects through mini-projects and main projects, in which students identify their skills to fabricate some mini-projects and learn the concepts through experiential learning.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

To popularize the traditional knowledge of plants and trees, all the campus trees are labelled with its scientific name and the local names. To promote the traditional foods of south india such as Puttu and Iddaly, an automated cooking machine is developed by our students. This could make the cooking much more easier and could help us to maintain on traditional food pattern with ease rather than switching over to junk food.

To promote the value of agriculture and to keep the students in touch with our traditions, a diary farm is maintained in the college with number of cows.

The Indian knowledge system of Vastu is very much relevant in the Civil Engineering and the students are introduced to the Vastu philosophy even though it is not there in the syllabus.

Indian Knowledge system will include knowledge from ancient India to modern India and a clear sense of India's future aspirations with regard to education, health and environment. The faculties are encouraged to translate the text into the native languages with the help of KTU university.

19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):

The B.Tech Courses of the college were accredited by NBA in the years 2017, 2020 and 2022 respectively and is implementing OBE for various programmes specially in engineering courses. We have well defined Program Outcomes (PO), Program Educational Outcomes (PEO) and Course Outcomes (CO) on our website and in prominent places in the departments.

Students are assessed as per OBE attainment model. The OBE model measures the progress of graduates in three parameters, through the following:

1. Program Outcomes (PO)
2. Program Educational Outcomes (PEO)
3. Course Outcomes (CO)

Students join an institution from different backgrounds, cultures, and experiences. While studying at the institution, we want them to broaden their horizon and attitudes, and to develop their current skills and abilities and learn new ones. This is expected not only to help them in their studies and future careers, but also to support their role within society. POs also reflect the Vision, Mission and Core Values of the institution.

Through the POs the following things can be achieved

1. Deep discipline knowledge
2. Critical thinking and problem-solving.
3. Teamwork and communication skills.
4. Career and leadership readiness.

5. Intercultural and ethical competency.

6. Self-awareness and emotional intelligence.

20.Distance education/online education:

Google classrooms are created for each subject and the classroom codes are shared with the students, apart from regular classes they can get the complete learning materials online. Institute has successfully imparted all its course content delivery in online mode during the Pandemic (COVID-19) and also conducted online examinations successfully for the faculty members.

The following are some of the steps taken in this direction.

1. Google Classrooms for every course
2. Credits for approved online courses from NPTEL (Local chapter ID 276)
3. Lecture recording/streaming studio setup
4. Interactive calssroom with teleconferencing facility.
5. Online classes for Civil service examination.
6. Online value addition programs on employability skills.

Extended Profile

1.Programme

1.1 524

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 1619

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 157

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3 286

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 140

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 140

Number of sanctioned posts during the year

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	524
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	1619
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	157
File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	286
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	140
File Description	Documents
Data Template	View File

3.2	140
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	52
Total number of Classrooms and Seminar halls	
4.2	172
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 with APJ Abdul Kalam Technological University (KTU) and follows the curriculum and syllabi prescribed by the University. The 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 timetable 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.
- Classes are conducted as per the lesson plan.
- 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.
- Students' feedback is taken twice in the semester for the teaching-learning process every semester.
- An online CMS tool is used to prepare the CO and PO attainment for the courses.
- Course files prepared by the faculty members are audited by KTU internal and external auditors at least twice a semester.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	vjec.ac.in/about/naac

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

- Course delivery as per lesson plan and completion of syllabus is monitored by HOD.
- Continuous assessment for laboratory work is done on the basis of viva questions and real-time performance through well-defined rubrics.
- To maintain quality, the internal exam question papers are approved by IQAC members and HOD before sending it to the exam cell.
- To maintain the quality of assignment works given, questions are approved by IQAC members and HOD before issuing to students.
- Internal exam grievance redressal policy is established as a mechanism to deal with internal examination-related grievances in a transparent, time-bound, and efficient manner.
- Advisory meetings are conducted in the first year before the internal exams in the presence of the 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.

- Bootcamp is organized for first-year students to give an introduction to B.Tech courses.
- 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.
- 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.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	vjec.ac.in/about/naac

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

B. Any 3 of the above

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

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

8

File Description	Documents
Any additional information	View File
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

1202/1655

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

Vimal Jyothi Engineering College has taken impressive efforts to integrate cross-cutting issues such as Gender, Environment and Sustainability, Human values, and Professional Ethics wherever possible into the curriculum and more often by other indirect means.

Gender:

Gender equality, equality between men and women, entails the concept that all human beings, both men and women, are free to develop their 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, student union, and training programs as a result of which gender issues generally do not arise.

Women's Day Celebration has been conducted in association with IEEEVJEC.

Environment and Sustainability:

Go Green Club of the college is functioning with a vision to make the college campus green and Eco-friendly. Rainwater harvesting facility, Grid-connected Solar PV farm with 50 kW generation capacity along with roof solar panel, Bio-gas plants, and Sewage treatment plant for water recycling.

Core courses like introduction to sustainable engineering, Engineering Geology, life skills, etc related to Sustainable development are included in the syllabus.

Human Values and Professional Ethics:

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 to become responsible citizens.

File Description	Documents
Any additional information	View File
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

12

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
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

464

File Description	Documents
Any additional information	View File
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 from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	vjec.ac.in/about/naac
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	vjec.ac.in/about/naac

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

468

File Description	Documents
Any additional information	View File
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

230

File Description	Documents
Any additional information	View File
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. Student 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 look into details regarding 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 the progress of students.
5. Internal tests and end-semester marks are communicated to parents periodically through a progress report. Mentors counsel slow learners and encourage them by providing class notes, reading materials, and solving university question papers to avoid the risk of dropping out.

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

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

Number of Students	Number of Teachers
1618	118

File Description	Documents
Any additional information	View File

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

Student centric method is a type of teaching method designed for students. Student-centered learning strategies provide empowerment opportunities to the students that allow a deep dive into more than just mandated assessments. Most of the faculty use interactive methods for teaching.

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

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

The Institute follows ICT-enabled teaching in addition to traditional classroom education. Subsequent efforts are taken by the institute to provide e-learning atmosphere in the classroom: In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as

1. PPT
2. Video clippings,
3. online sources (google classroom, google meet, YouTube videos, etc),
4. LMS - to expose the students to advanced knowledge and practical learning.
5. Classrooms are fully furnished with LCD display

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

85

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

118

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

17

File Description	Documents
Any additional information	View File
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

857

File Description	Documents
Any additional information	View File
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.

MECHANISM OF INTERNAL ASSESSMENT

- The college has a standard process of internal examination in the college.
- The academic calendar is prepared for every semester in line with the university calendar, which provides information on the scheduled timetable for internal assessments, assignments, and the tentative schedule of internal practical examinations; which is displayed well in advance.
- The evaluation method comprises internal examinations held progressively during the semester and is designed to check and report the periodic performance of the student. According to the academic calendar, a student has to appear in 3 internal examinations, and 2 assignments, and attend 1 internal lab exam.
- Question papers and answer keys were prepared by faculty and the Quality of question papers are checked and approved by IQAC of the concerned department
- Answer sheets are evaluated and checked answer sheets are shown to the students.
- Sessional result analysis is discussed at the HoD level.
- 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.
- All the records of attendance in internal Examinations, Question papers, valued answer sheets, and marks sheets, are properly maintained by the teachers for academic audit.

File Description	Documents
Any additional information	View File
Link for additional information	https://vjec.ac.in/about/naac/

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

At Institute level

- The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are addressed by the teacher.
- The internal marks are displayed on the notice board.
- If any discrepancy like mistakes in the question paper, mark allocation, or correction is noticed by the students, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made.
- Parents are informed about their ward's performance through SMS.
- Students are counselled by the faculty mentor, and remedial classes are conducted for students who have failed the examinations.
- Retests for the Internal Assessment are conducted for Students who remain absent for internal exams due to genuine reasons.

At the University level:

- After the declaration of university results, the students can apply for re-valuation. The University provides the students with an option of obtaining photocopies of their answer sheets
- Other types of grievances like data missing in the question papers, questions asked from outside the syllabus, question papers being tough, etc., are communicated to the controller of examinations by the concerned faculty.

File Description	Documents
Any additional information	View File
Link for additional information	https://vjec.ac.in/about/naac/

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.

Mode of Communication

Program outcomes and Program specific outcomes for a particular program are:

1. Communicated in faculty meeting
2. Displayed in the college website
3. Published in Students Lab Record
4. Displayed in Laboratories
5. Displayed in the Staff room
6. Displayed in HoD Room
7. Displayed in Classrooms
8. Communicated in class committee meeting
9. Communicated to alumni association

Course Outcomes are displayed in the Lesson plan, internal exam question papers, and course files.

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

1. CO attainment calculation

Percentage Weightage for Direct and Indirect Components

Direct Assessments (Internal exam, assignments, End semester exam)

Indirect Assessments (Course end survey/feedback)

80%

20%

Weightage for different direct assessment Tools

Internal Exam

Assignment

End Semester Exam

Total

64%

16%

20%

100%

The target for attainment is set as 45% (Minimum pass Percentage) and Attainment Levels are set as follows.

70% or more students Score More than 45%³

60% of students Score More than 45%²

50% or more students Score More than 45%¹

Less than 50% of students Score More than 45% Not Attained

Sample CO Attainment Calculation for CO1

TARGET Internal: 45%, Assignment: 45%, End Sem: 45%

Student

% Internal exam

marks

% Assignment

marks

% End sem exam

marks

1

75

85

75

2

60

80

68

3

44

73

44

4

90

68

80

5

80

60

44

6

40

44

82

7

50

85

70

8

43

44

25

9

39

35

30

10

40

40

78

% students above

target

50%

60%

60%

Attainment level

1.0

2.0

2.0

Direct Attainment of CO1 = $1.0 \times 0.64 + 2.0 \times 0.16 + 2.0 \times 0.2 = 1.36$

Let the attainment through Course End Survey be 2.8

Overall attainment of CO1 = $1.36 \times 0.8 + 2.8 \times 0.2 = 1.65$

1. PO ATTAINMENT Calculation

Percentage Weightage for Direct and Indirect Components

Direct (Based CO- PO mapping)

Indirect (Exit survey)

80

20

A sample mapping of CO-PO for one particular course is shown below:

CO

CO attainment

PO 1

PO 2

PO 3

PO 4

PO 5

PO 6

PO 7

PO 8

PO9

PO10

PO11

PO12

EC101.1

1.65

3

EC101.2

2.56

3

3

3

EC101.3

2.4

2

3

EC101.4

2.2

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3

EC101.5

1.9

3

3

Direct Attainment of PO1 = $(1.65 \times 3/3 + 2.56 \times 3/3 + 2.4 \times 2/3 + 2.2 \times 0/3 + 1.9 \times 3/3) / 4 = 1.93$

Let the Indirect attainment of PO1 be 2.7

PO1 overall attainment = $1.93 \times 0.8 + 2.7 \times 0.2 = 2.08$

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

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

247

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	View File
Paste link for the annual report	https://vjec.ac.in/about/naac/

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/about/naac>

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)

15.72

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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	View File
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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
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

Response:

The Institution has created an ecosystem for innovation by establishing the Research committee and the Innovation and Entrepreneurship Development Centre (IEDC) and Industry Institute Partnership Cell (IIPC) for creation and transfer of knowledge. The institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge.

1. INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

Entrepreneur Development Cell (EDC) initiated various activities for the career enhancement of students at different medium like self employment, start up initiatives, collaboration with research institutions and other industrial manufacturing related careers are enriched through various training programmes. On the basis of

qualitative and quantitative outcome based, ideas are shortlisted and suggested for incubation and development. EDC encourages on establishing different clubs constituted by the students thereby favoring the students by providing guidance on healthy innovation interactive sessions. Further these discussions are converted into innovative projects EDC also helps the students to organize various events like seminars, workshops, national conferences, entrepreneurial awareness programmes, inter/intra college competitions by enriching innovative ideas from the students. EDC guides both faculty and students on Intellectual Property Rights, Patentable research & Skill based training programmes for lifelong learning.

2. IIPC

The institute also has active Industry Institute Partnership Cell (IIPC) which helps to reduce gap between industry and academics by organizing various events like skill development programs, Industry - Academia meets, guest lecture, etc., under the cell.

3. ROBATIC CLUB

4.IIC

5.IEEE

6.VJ INSPIRE

7.PATENTS

8.ARIIA

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

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

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

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

14

File Description	Documents
URL to the research page on HEI website	https://ktu.edu.in/eu/core/registeredResearchSupervisors.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	View File

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

15

File Description	Documents
Any additional information	View File
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

17

File Description	Documents
Any additional information	View File
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

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

1. In order to ensure holistic development of students, the Institution encourages students to involve in community service to develop good citizenship.

2. Student members of NSS have taken part in social activities.

3. Induction program for universal human values

4. IEEE-WIE

5. UBA

6. Anti-Ragging

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

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

5

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

2

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	View File
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

120

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

3

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

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

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
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 46 classroom, 11 tutorial rooms , 64 laboratories and 6 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/Smart TV and LAN and WiFi connected facilities.

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 and computing facilities: . 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.

Library: VJEC has centralized automated library with reading room and digital access facility apart from the each departmental library. Also have following additional facilities

- Training and Placement Cell (TPC)
- Innovation and Entrepreneurship Development Cell (IEDC)
- Transport:
- Residential facility:
- Generator

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

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 KhoKho 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 abunch 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	vjec.ac.in/about/naac

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

52

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

173.22615

File Description	Documents
Upload any additional information	View File
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)

Vimal Jyothi Central Library has an area of 1000 Sq M and is housed in the administrative block spanning 2 floors. It has a seating capacity for 150 users. The library subscribes to 92 journals and has a collection of 46099 volumes consisting of 30149 titles in different domains of Science and Technology. The library of Vimal Jyothi Engineering College is fully computerized with Library management software KOHA and open access for all .Internet and Wi-Fi facility is provided for the registered users. Intranet-OPAC [<https://library.vjec.ac.in/>] can be accessed by the users through digital devices from anywhere in and off the campus.Bar coded ID cards are provided for all the users. The entry of all the users is documented by a scanner at the library entrance. The library has access to E journals and E books on various disciplines in addition to national and international journals. Apart from central library the department libraries provide immediate reference and easy access at the department levels. As the young generation of students prefers digital resources the library is strengthening access to e resources. In the digital library we have 16 computers connected to Internet.Reading and reprographic facilities are available.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://library.vjec.ac.in/

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

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)

11.67097

File Description	Documents
Any additional information	View File
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

14603

File Description	Documents
Any additional information	View File
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 600 Mbps speed capacity leased line provided by BSNL India Ltd and additional 20Mbps as back up for leased line connection, 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. The latest configuration systems are available in computer laboratory. The college has 80 wifi hotspots with Wi-Fi controller to cover the area throughout the college. SophosXG 450 hardware firewall and ten manageable switches from NETGEAR to prevent unauthorized access to and from the private network to prevent the unauthorized Internet users. VJEC has 792 computers, Spaneos for campus management system and cloud storage for running LMS. 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

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

4.3.2 - Number of Computers

792

File Description	Documents
Upload any additional information	No File Uploaded
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	View File

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)

146.36845

File Description	Documents
Upload any additional information	View File
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) to Register the requirements for Maintenance/Repair. 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 status is updated

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vjec.ac.in/public_downloads/downloads/uploads_original/2022-05-05/it_policy_2021.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

391

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted 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

192

File Description	Documents
Upload any additional information	View File
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/
Any additional information	View File
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

303

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

303

File Description	Documents
Any additional information	View File
Number of students benefited 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	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

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

209

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
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

9

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
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	View File
Any additional information	View File
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.

43

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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's 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 the innate talents of students who can actively participate conduct cultural program 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, and blood donation. Many of our college volunteers have participated in State level national level events. NSS also conducts programs such as planting trees, adoption of Villages, blood donation camps, etc.,

File Description	Documents
Paste link for additional information	https://www.apjaktunsscell.org/
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

153

File Description	Documents
Report of the event	View File
Upload any additional information	View File
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)	View File

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 of the association. All the final year students of the college shall be associate members of the association. All the members of the teaching faculties of the college shall be ex-officio members of the association. The former members of the teaching staff of the college who have served the college for a period of five years shall be honorary members of the association. Only members whose names are included in the membership register shall have the voting power

- To provide a forum for the old students of the College to meet and discuss the matters of common interest.
- To promote the interests of the College and its past and present students.

- To promote goodwill and mutual assistance among the members.
- To contribute to the cause of technical education by sharing the experience of those in the field.
- To help the authorities to improve the academic and cultural activities of the college.
- To co-operate with the students in literary, cultural and sports activities of the college.
- To help the members in employment and service matters without interfering in the policies of their employers.
- To arrange and conduct programmes of general and technical nature.
- To co- operate with other such bodies for the same ends.
- To promote other matters beneficial to prospects of the association

File Description	Documents
Paste link for additional information	https://vjec.ac.in/alumni/#collapse2
Upload any additional information	View File

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

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. 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,. Nature of Governance: Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery 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. 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. The 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.

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.

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

Curriculum Development: The Department Advisory Board(DAB) at PG-UG Levels was constituted with members from industry, expert faculty and student alumni. The Meeting of the DAC is conducted at regular intervals. The ideas obtained from the various bodies are thoroughly discussed by the experts and forwarded to HOD.

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.Conduct External and internal academic audits on a regular basis.

Examination and Evaluation :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.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.Keep track of the different government schemes and schemes of other agencies like CSIR, DST, DBT, DRDO, CSIR and KTU.Sponsoring faculty members for attending

different conferences /seminars/workshops.Sabbatical leave is provided to faculties and College provides registration fees and travel cost for attending reputed National/International conferences.

Library, ICT and Physical Infrastructure / Instrumentation :Institute Central Library was established with nearly 33000 books 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.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vjec.ac.in/about/naac/
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.

Board of trustees of MESHAR Diocesan Educational Trust

Functions and responsibilities:

1.All the properties of the Trust shall vest with the Board of Trustees and in the name of the Chairman.

2.To apply, get sanction, erect, conduct and administer Educational Institutions

3.To request and receive donations towards corpus or otherwise either in cash or in kind or subsidies or grants other financial assistance

4.To demand, and receive to the extent the laws of the state permit, fees, deposits, contributions, fines, capital or other donations

5.To invest the funds of the Trust in any manner they deem fit

consistent with the objects of the Trust etc

Governing Board

Functions and Responsibilities of Governing Body

1. Propose academic related projects and get the approval of the Board of Trustees

2. Advise 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 the formation of some policies like promotion, incentives etc

Service rules, policies and procedures etc.

Service rules, policies and procedures are published in the staff handbook and are available in the public domain in the college website for greater transparency and accountability

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/about/governing-body/
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	View File
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

Teaching

- Staff Association for Mutual Empowerment(SAME)
- Medical Insurance(with Management Contribution)
- Medical Leave
- Maternity Leave
- PhD Leave
- PhD incentive
- Incentives for publications and results
- Salary advance
- Laptop loan without interest
- Travel grant
- Family quarters and hostel facilities
- Recreation tour
- On duty for attending FDP,Conferences and examination duties
- Gymnasium Facilities

Non teaching

- EPF
- Staff Association for Mutual Empowerment(SAME)
- Medical Insurance(with Management Contribution)
- Medical Leave
- Maternity Leave
- PhD Leave
- PhD incentive

- Incentives for publications and results
- Salary advance
- Laptop loan without interest
- Travel grant
- Family quarters and hostel facilities
- Recreation tour
- On duty for attending FDP, Conferences and examination duties
- Gymnasium Facilities

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/public_downloads/downloads/uploads_original/2022-01-06/staff_hand_book.pdf
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	View File
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

7

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	View File
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

102

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
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.

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	https://vjgroup.dhi-edu.com/vjgroup_vjec/#/faculty/performance/performancesummary/5ad5ef3d5e603e437235e10c/ME/Associate%20Professor/2022-23
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 within the stipulated time.

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

2775241

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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://vjec.ac.in/about/naac/
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. 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. 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 inthe 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	https://www.vjec.ac.in/about/naac/igac
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.

File Description	Documents
Paste link for additional information	https://app.ktu.edu.in/eu/acd/aud/auditorReportsListing.htm
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/
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

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
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

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
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 **A. Any 4 or all 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: **A. Any 4 or All of the above**

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
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).

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of 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 A. All of the above

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

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	View File
Any other relevant information	View File

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

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.

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 EruvessyPanchayat, TaliparambaTaluk, Kannur District, Kerala. Within a radius of 30 km, we haveno other engineering college.We have about 20% of students fromrural area and college bus operates to a radius of 60 km from ourcollege. Scholarships from Government for meritorious, BC, MBC,SC&ST students is being distributed to eligible students.

Our college management offers scholarships for needy students fromrural area encouragingthem to complete their education.Eachdepartment has their own associations, student chapter andaffiliation fromrespective National, International Professionalassociations, societies and institutions. This helps to exposestudents to their activities and become a part of them. Thiscreates a good professional attitude in students and increasestheir employment possibilities

Kerala State Renewable Energy Commendation Certificate 2017, wasawarded to our college in 2017 for the achievements towards theutilization of Renewable Energy. Office bearers of EEE studentchapter went to USA, to receive the Best Student Chapter award.

We have started Ph.D. programme in all the departments which will be a good move to make our college as a Centre ofExcellence in a Rural Area.

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 with APJ Abdul Kalam Technological University (KTU) and follows the curriculum and syllabi prescribed by the University. The 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 timetable 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.
- Classes are conducted as per the lesson plan.
- 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.
- Students' feedback is taken twice in the semester for the teaching-learning process every semester.
- An online CMS tool is used to prepare the CO and PO attainment for the courses.
- Course files prepared by the faculty members are audited by KTU internal and external auditors at least twice a semester.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	vjec.ac.in/about/naac

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

- Course delivery as per lesson plan and completion of syllabus is monitored by HOD.
- Continuous assessment for laboratory work is done on the basis of viva questions and real-time performance through well-defined rubrics.
- To maintain quality, the internal exam question papers are approved by IQAC members and HOD before sending it to the exam cell.
- To maintain the quality of assignment works given, questions are approved by IQAC members and HOD before issuing to students.
- Internal exam grievance redressal policy is established as a mechanism to deal with internal examination-related grievances in a transparent, time-bound, and efficient manner.
- Advisory meetings are conducted in the first year before the internal exams in the presence of the 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.
- Bootcamp is organized for first-year students to give an introduction to B.Tech courses.
- 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.
- 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.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	vjec.ac.in/about/naac

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

B. Any 3 of the above

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

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

6

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

8

File Description	Documents
Any additional information	View File
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

1202/1655

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**

Vimal Jyothi Engineering College has taken impressive efforts to integrate cross-cutting issues such as Gender, Environment and Sustainability, Human values, and Professional Ethics wherever possible into the curriculum and more often by other indirect means.

Gender:

Gender equality, equality between men and women, entails the concept that all human beings, both men and women, are free to develop their 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, student union, and

training programs as a result of which gender issues generally do not arise.

Women's Day Celebration has been conducted in association with IEEEVJEC.

Environment and Sustainability:

Go Green Club of the college is functioning with a vision to make the college campus green and Eco-friendly. Rainwater harvesting facility, Grid-connected Solar PV farm with 50 kW generation capacity along with roof solar panel, Bio-gas plants, and Sewage treatment plant for water recycling.

Core courses like introduction to sustainable engineering, Engineering Geology, life skills, etc related to Sustainable development are included in the syllabus.

Human Values and Professional Ethics:

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 to become responsible citizens.

File Description	Documents
Any additional information	View File
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

12

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
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

464

File Description	Documents
Any additional information	View File
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 from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	vjec.ac.in/about/naac
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
---	---

File Description	Documents
Upload any additional information	View File
URL for feedback report	vjec.ac.in/about/naac

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

468

File Description	Documents
Any additional information	View File
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

230

File Description	Documents
Any additional information	View File
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. Student 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 look into details regarding 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 the progress of students.
5. Internal tests and end-semester marks are communicated to

parents periodically through a progress report. Mentors counsel slow learners and encourage them by providing class notes, reading materials, and solving university question papers to avoid the risk of dropping out.

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

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

Number of Students	Number of Teachers
1618	118

File Description	Documents
Any additional information	View File

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

Student centric method is a type of teaching method designed for students. Student-centered learning strategies provide empowerment opportunities to the students that allow a deep dive into more than just mandated assessments. Most of the faculty use interactive methods for teaching.

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

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

The Institute follows ICT-enabled teaching in addition to traditional classroom education. Subsequent efforts are taken

by the institute to provide e-learning atmosphere in the classroom: In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as

1. PPT
2. Video clippings,
3. online sources (google classroom, google meet, YouTube videos, etc),
4. LMS - to expose the students to advanced knowledge and practical learning.
5. Classrooms are fully furnished with LCD display

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

85

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

118

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

17

File Description	Documents
Any additional information	View File
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

857

File Description	Documents
Any additional information	View File
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.

MECHANISM OF INTERNAL ASSESSMENT

- The college has a standard process of internal examination in the college.
- The academic calendar is prepared for every semester in line with the university calendar, which provides information on the scheduled timetable for internal assessments, assignments, and the tentative schedule of internal practical examinations; which is displayed well in advance.
- The evaluation method comprises internal examinations held progressively during the semester and is designed to check and report the periodic performance of the student. According to the academic calendar, a student has to appear in 3 internal examinations, and 2 assignments, and attend 1 internal lab exam.
- Question papers and answer keys were prepared by faculty and the Quality of question papers are checked and approved by IQAC of the concerned department
- Answer sheets are evaluated and checked answer sheets are shown to the students.
- Sessional result analysis is discussed at the HoD level.
- 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.
- All the records of attendance in internal Examinations, Question papers, valued answer sheets, and marks sheets, are properly maintained by the teachers for academic audit.

File Description	Documents
Any additional information	View File
Link for additional information	https://vjec.ac.in/about/naac/

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

At Institute level

- The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are addressed by the teacher.
- The internal marks are displayed on the notice board.

- If any discrepancy like mistakes in the question paper, mark allocation, or correction is noticed by the students, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made.
- Parents are informed about their ward's performance through SMS.
- Students are counselled by the faculty mentor, and remedial classes are conducted for students who have failed the examinations.
- Retests for the Internal Assessment are conducted for Students who remain absent for internal exams due to genuine reasons.

At the University level:

- After the declaration of university results, the students can apply for re-valuation. The University provides the students with an option of obtaining photocopies of their answer sheets
- Other types of grievances like data missing in the question papers, questions asked from outside the syllabus, question papers being tough, etc., are communicated to the controller of examinations by the concerned faculty.

File Description	Documents
Any additional information	View File
Link for additional information	https://vjec.ac.in/about/naac/

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.

Mode of Communication

Program outcomes and Program specific outcomes for a particular program are:

1. Communicated in faculty meeting
2. Displayed in the college website
3. Published in Students Lab Record

4. Displayed in Laboratories

5. Displayed in the Staff room

6. Displayed in HoD Room

7. Displayed in Classrooms

8. Communicated in class committee meeting

9. Communicated to alumni association

Course Outcomes are displayed in the Lesson plan, internal exam question papers, and course files.

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

1. CO attainment calculation

Percentage Weightage for Direct and Indirect Components

Direct Assessments (Internal exam, assignments, End semester exam)

Indirect Assessments (Course end survey/feedback)

80%

20%

Weightage for different direct assessment Tools

Internal Exam

Assignment

End Semester Exam

Total

64%

16%

20%

100%

The target for attainment is set as 45% (Minimum pass Percentage) and Attainment Levels are set as follows.

70% or more students Score More than 45% 3

60% of students Score More than 45% 2

50% or more students Score More than 45% 1

Less than 50% of students Score More than 45% Not Attained

Sample CO Attainment Calculation for CO1

TARGET Internal: 45%, Assignment: 45%, End Sem: 45%

Student

% Internal exam

marks

% Assignment

marks

% End sem exam

marks

1

75
85
75
2
60
80
68
3
44
73
44
4
90
68
80
5
80
60
44
6
40
44
82

7
50
85
70
8
43
44
25
9
39
35
30
10
40
40
78
% students above target
50%
60%
60%
Attainment level
1.0

2.0

2.0

Direct Attainment of CO1 = $1.0 \times 0.64 + 2.0 \times 0.16 + 2.0 \times 0.2 = 1.36$

Let the attainment through Course End Survey be 2.8

Overall attainment of CO1 = $1.36 \times 0.8 + 2.8 \times 0.2 = 1.65$

1. PO ATTAINMENT Calculation

Percentage Weightage for Direct and Indirect Components

Direct (Based CO- PO mapping)

Indirect (Exit survey)

80

20

A sample mapping of CO-PO for one particular course is shown below:

CO

CO attainment

PO 1

PO 2

PO 3

PO 4

PO 5

PO 6

PO 7

PO 8

PO9

PO10

PO11

PO12

EC101.1

1.65

3

EC101.2

2.56

3

3

3

EC101.3

2.4

2

3

EC101.4

2.2

--

3

EC101.5

1.9

3

3

Direct Attainment of PO1 = $(1.65 \times 3/3 + 2.56 \times 3/3 + 2.4 \times 2/3 + 2.2 \times 0/3 + 1.9 \times 3/3) / 4 = 1.93$

Let the Indirect attainment of PO1 be 2.7

PO1 overall attainment = $1.93 \times 0.8 + 2.7 \times 0.2 = 2.08$

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

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

247

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	View File
Paste link for the annual report	https://vjec.ac.in/about/naac/

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/about/naac>

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)

15.72

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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	View File
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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
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

Response:

The Institution has created an ecosystem for innovation by establishing the Research committee and the Innovation and Entrepreneurship Development Centre (IEDC) and Industry Institute Partnership Cell (IIPC) for creation and transfer of knowledge. The institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge.

1. INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

Entrepreneur Development Cell (EDC) initiated various activities for the career enhancement of students at different medium like self employment, start up initiatives, collaboration with research institutions and other industrial manufacturing related careers are enriched through various training programmes. On the basis of qualitative and quantitative outcome based, ideas are shortlisted and suggested for incubation and development. EDC encourages on establishing different clubs constituted by the students thereby favoring the students by providing guidance on healthy innovation interactive sessions. Further these discussions are converted into innovative projects EDC also helps the students to organize various events like seminars, workshops, national conferences, entrepreneurial awareness programmes, inter/intra college competitions by enriching innovative ideas from the students. EDC guides both faculty and students on Intellectual Property Rights, Patentable research & Skill based training

programmes for lifelong learning.

2. IIPC

The institute also has active Industry Institute Partnership Cell (IIPC) which helps to reduce gap between industry and academics by organizing various events like skill development programs, Industry - Academia meets, guest lecture, etc., under the cell.

3. ROBATIC CLUB

4.IIC

5.IEEE

6.VJ INSPIRE

7.PATENTS

8.ARIIA

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

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

21

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

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**

14

File Description	Documents
URL to the research page on HEI website	https://ktu.edu.in/eu/core/registeredResearchSupervisors.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	View File

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**

15

File Description	Documents
Any additional information	View File
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**

17

File Description	Documents
Any additional information	View File
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

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

1. In order to ensure holistic development of students, the Institution encourages students to involve in community service to develop good citizenship.

2. Student members of NSS have taken part in social activities.

3. Induction program for universal human values

4. IEEE-WIE

5. UBA

6. Anti-Ragging

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

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**

5

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

2

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	View File
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

120

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

3

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

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

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
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 46 classroom, 11 tutorial rooms , 64 laboratories and 6 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/Smart TV and LAN and WiFi

connected facilities.

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 and computing facilities: . 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.

Library: VJEC has centralized automated library with reading room and digital access facility apart from the each departmental library. Also have following additional facilities

- Training and Placement Cell (TPC)
- Innovation and Entrepreneurship Development Cell(IEDC)
- Transport:
- Residential facility:
- Generator

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

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 KhoKho 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 abunch 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	vjec.ac.in/about/naac

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

52

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

173.22615

File Description	Documents
Upload any additional information	View File
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)

Vimal Jyothi Central Library has an area of 1000 Sq M and is housed in the administrative block spanning 2 floors. It has a seating capacity for 150 users. The library subscribes to 92 journals and has a collection of 46099 volumes consisting of 30149 titles in different domains of Science and Technology. The library of Vimal Jyothi Engineering College is fully computerized with Library management software KOHA and open access for all .Internet and Wi-Fi facility is provided for the registered users. Intranet-OPAC [<https://library.vjec.ac.in/>] can be accessed by the users through digital devices from anywhere in and off the campus.Bar coded ID cards are provided for all the users. The entry of all the users is documented by a scanner at the library entrance. The library has access to E journals and E books on various disciplines in addition to national and international journals. Apart from central library the department libraries provide immediate reference and easy access at the department levels. As the young generation of students prefers digital resources the library is strengthening access to e resources. In the digital library we have 16 computers connected to Internet.Reading and reprographic facilities are available.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://library.vjec.ac.in/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-

A. Any 4 or more of the above

books Databases Remote access toe-resources

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)****11.67097**

File Description	Documents
Any additional information	View File
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****14603**

File Description	Documents
Any additional information	View File
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 600 Mbps speed

capacity leased line provided by BSNL India Ltd and additional 20Mbps as back up for leased line connection, 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. The latest configuration systems are available in computer laboratory. The college has 80 wifi hotspots with Wi-Fi controller to cover the area throughout the college. SophosXG 450 hardware firewall and ten manageable switches from NETGEAR to prevent unauthorized access to and from the private network to prevent the unauthorized Internet users. VJEC has 792 computers, Spaneos for campus management system and cloud storage for running LMS. 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

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

4.3.2 - Number of Computers

792

File Description	Documents
Upload any additional information	No File Uploaded
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	View File

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)

146.36845

File Description	Documents
Upload any additional information	View File
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) to Register the requirements for Maintenance/Repair. 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 status is updated

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vjec.ac.in/public_downloads/downloads/uploads_original/2022-05-05/it_policy_2021.pdf

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

391

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

192

File Description	Documents
Upload any additional information	View File
Number of students benefitted 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/
Any additional information	View File
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

303

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

303

File Description	Documents
Any additional information	View File
Number of students benefited 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	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

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

209

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
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

9

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
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	View File
Any additional information	View File
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.

43

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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's 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 the innate talents of students who can actively participate conduct cultural program 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, and blood donation. Many of our college volunteers have participated in State level national level events. NSS also conducts programs such as planting trees, adoption of Villages, blood donation camps, etc.,

File Description	Documents
Paste link for additional information	https://www.apjaktunsscell.org/
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

153

File Description	Documents
Report of the event	View File
Upload any additional information	View File
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)	View File

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 of the association. All the final year students of the college shall be associate members of the association. All the members of the teaching faculties of the college shall be ex-officio members of the association. The former members of the teaching staff of the college who have served the college for a period of five years shall be honorary members of the association. Only members whose names are included in the membership register shall have the voting power

- To provide a forum for the old students of the College to meet and discuss the matters of common interest.
- To promote the interests of the College and its past and present students.

- To promote goodwill and mutual assistance among the members.
- To contribute to the cause of technical education by sharing the experience of those in the field.
- To help the authorities to improve the academic and cultural activities of the college.
- To co-operate with the students in literary, cultural and sports activities of the college.
- To help the members in employment and service matters without interfering in the policies of their employers.
- To arrange and conduct programmes of general and technical nature.
- To co- operate with other such bodies for the same ends.
- To promote other matters beneficial to prospects of the association

File Description	Documents
Paste link for additional information	https://vjec.ac.in/alumni/#collapse2
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. 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,. 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. 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. The 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.

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.

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

Curriculum Development: The Department Advisory Board(DAB) at PG- UG Levels was constituted with members from industry, expert faculty and student alumni. The Meeting of the DAC is conducted at regular intervals. The ideas obtained from the various bodies are thoroughly discussed by the experts and forwarded to HOD.

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. Conduct External and internal academic audits on a regular basis.

Examination and Evaluation :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.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.Keep track of the different government schemes and schemes of other agencies like CSIR, DST, DBT, DRDO, CSIR and KTU.Sponsoring faculty members for attending different conferences /seminars/workshops.Sabbatical leave is provided to faculties and College provides registration fees and travel cost for attending reputed National/International conferences.

Library, ICT and Physical Infrastructure / Instrumentation :Institute Central Library was established with nearly 33000 books 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.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://vjec.ac.in/about/naac/
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.

Board of trustees of MESHAR Diocesan Educational Trust

Functions and responsibilities:

1.All the properties of the Trust shall vest with the Board of Trustees and in the name of the Chairman.

2.To apply, get sanction, erect, conduct and administer Educational Institutions

3.To request and receive donations towards corpus or otherwise either in cash or in kind or subsidies or grants other financial assistance

4.To demand, and receive to the extent the laws of the state permit, fees, deposits, contributions, fines, capital or other donations

5.To invest the funds of the Trust in any manner they deem fit consistent with the objects of the Trust etc

Governing Board

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 the formation of some policies like promotion, incentives etc

Service rules, policies and procedures etc.

Service rules, policies and procedures are published in the staff handbook and are available in the public domain in the college website for greater transparency and accountability

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/about/governing-body/
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

A. All of the above

Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
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

Teaching

- Staff Association for Mutual Empowerment(SAME)
- Medical Insurance(with Management Contribution)
- Medical Leave
- Maternity Leave
- PhD Leave
- PhD incentive
- Incentives for publications and results
- Salary advance
- Laptop loan without interest
- Travel grant
- Family quarters and hostel facilities
- Recreation tour
- On duty for attending FDP,Conferences and examination duties
- Gymnasium Facilities

Non teaching

- EPF
- Staff Association for Mutual Empowerment(SAME)
- Medical Insurance(with Management Contribution)
- Medical Leave
- Maternity Leave

- PhD Leave
- PhD incentive
- Incentives for publications and results
- Salary advance
- Laptop loan without interest
- Travel grant
- Family quarters and hostel facilities
- Recreation tour
- On duty for attending FDP, Conferences and examination duties
- Gymnasium Facilities

File Description	Documents
Paste link for additional information	https://www.vjec.ac.in/public_downloads/downloads/uploads_original/2022-01-06/staff_hand_book.pdf
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	View File
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

7

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	View File
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

102

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
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.

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	https://vjgroup.dhi-edu.com/vjgroup_vjec/#/faculty/performance/performancesummary/5ad5ef3d5e603e437235e10c/ME/Associate%20Professor/2022-23
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 within the stipulated time.

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

2775241

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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://vjec.ac.in/about/naac/
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. 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. 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	https://www.vjec.ac.in/about/naac/iqac
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.

File Description	Documents
Paste link for additional information	https://app.ktu.edu.in/eu/acd/aud/auditor/ReportsListing.htm
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

A. All of the above

initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	
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File Description	Documents
Paste web link of Annual reports of Institution	https://vjec.ac.in/
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

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

A. 4 or All of the above

equipment	
File Description	Documents
Geo tagged Photographs	View File
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	
File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
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	A. Any 4 or all 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	A. Any 4 or All of the above

5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
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	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File
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	B. Any 3 of the above

reading material, screen	reading
File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
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).	
File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File
7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of 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	A. All of the above

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

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	View File
Any other relevant information	View File

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

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.

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 EruvessyPanchayat, TaliparambaTaluk, Kannur District, Kerala. Within a radius of 30 km, we haveno other engineering college.We have about 20% of students fromrural area and college bus operates to a radius of 60 km from ourcollege. Scholarships from Government for meritorious, BC, MBC,SC&ST students is being distributed to eligible students.

Our college management offers scholarships for needy students fromrural area encouragingthem to complete their education.Eachdepartment has their own associations, student chapter andaffiliation fromrespective National, International Professionalassociations, societies and institutions. This helps to exposestudents to their activities and become a part of them. Thiscreates a good professional attitude in students and increasestheir employment possibilities

Kerala State Renewable Energy Commendation Certificate 2017, wasawarded to our college in 2017 for the achievements towards theutilization of Renewable Energy. Office bearers of EEE studentchapter went to USA, to receive the Best Student Chapter award.

We have started Ph.D. programme in all the departments which will be a good move to make our college as a Centre ofExcellence 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

1. Conducting Technical Festival, an in house open exhibition for public view
2. Identifying the botanical name of trees and plants in our campus.
3. Observing more national and international days.
4. Conducting value added courses for all the departments.