



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VIMAL JYOTHI ENGINEERING COLLEGE

VIMAL JYOTHI ENGINEERING COLLEGE JYOTHI NAGAR CHEMPERI P.O

KANNUR-670632

670632

www.vjec.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

August 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

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 fervor for Engineering and Technology in students. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology.

With profound insight into the resource requirements of the higher education system, VJEC has proudly set up world-class infrastructure complemented with intellectual capital in the form of competent faculty.

Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, and 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 institution offers six undergraduate programs in engineering and six post graduate programs. The undergraduate programs are:

1. Applied Electronics and Instrumentation Engineering
2. Civil Engineering
3. Computer Science and Engineering
4. Electrical & Electronics Engineering
5. Electronics & Communication Engineering
6. Mechanical Engineering

The post graduate programs offered are:

1. Control & Instrumentation
2. Communication Engineering & Signal Processing
3. Computer Science & Engineering
4. Power Electronics
5. Structural Engineering & Construction Management
6. Thermal Engineering

Two undergraduate programs, CSE and EEE are accredited by NBA, New Delhi.

Vision

To bloom into a Center of Excellence for Technical Education and a pace-setter in rural India with its quality processes and procedures, interwoven with freedom of flexibility, moulding professionals of superior quality, dedicated to the progress and development of Humanity.

Mission

To prepare the students to see beyond geographical limit and belong to a new age of acquisition and application of technology to meet the challenges of the changing world. Inspired and guided by gospel values, we contribute to the socioeconomic welfare of the country with due concern to the marginalized.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The institution is certified with ISO 9001:2015
- NBA accredited Programs
- Accredited by Institution of Engineers
- Excellent infrastructure.
- The college has established the IEDC (Innovation and Entrepreneurship Development centre)
- MoUs with reputed Industries and organizations.
- Dedicated and experienced faculty members.
- Special coaching classes for competitive exams such as IAS, and GATE for the students.
- Ecofriendly campus
- Dedicated management committed to quality education.

Institutional Weakness

- Research Culture at the nascent stage.
- Limited number of external funded research projects.
- Located in rural area at North Kerala.
- Affiliated institution with limited flexibility in curriculum.
- Limited number of core companies visiting the campus.

Institutional Opportunity

- To provide quality technical education to the needy students from rural area.
- To become a centre of excellence in North Kerala in technical education.
- To become a skill and entrepreneurship development centre.
- To become a centre for research, consultancy and appropriate technology centre.

Institutional Challenge

- Incorporating latest technologies in the curriculum.
- Socio-political environment prevalent in North Malabar.
- Stagnation in engineering admissions.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum for the students is prescribed by Kannur University till 2015 and APJ Abdul Kalam Technological University from 2015. In addition, the institution has added the content beyond the syllabus like value added activities, for developing an extra knowledge, proficiency and Entrepreneurship skills.

Knowledge based activities:

- Content beyond syllabus and bridge courses for students.
- Effective curriculum delivery through Smart class room.
- Industrial visit of students.
- Seminars, Conferences, Workshop for the students.
- Pre-planned preparation of lesson plans, Time Table and Academic Calendar.
- Remedial classes for weaker students.
- Continuous assessment for laboratory work.
- Digital library with e-books are available to both students and faculty.
- Conducts periodical meetings like staff meeting, course team meeting, class committee meetings, DAB meetings etc.
- MOUs are signed with recognized Industries and Organizations.
- Workshops and certificates courses for the students.
- Effective curriculum delivery through sufficient teaching aids like Google Classroom, and NPTEL.
- Effectual communication with parents (eg. Progress Report, Counselling).
- Course delivery as per lesson plan and completion of syllabus is monitored by HOD.
- Institution always encourages and supports the faculty to attend FDP/workshops.
- Each 20 students are assigned to a faculty as mentor to support in academic and personal empowerment.
- Maintenance of Course File, Lesson Plan, Lecture notes, Master Attendance etc.
- Internal & External Audit.
- Student's feedback is taken twice in the semester for teaching learning process for every semester.

Teaching-learning and Evaluation

- Transparent Admission Policies in line with Admission guidelines of Kerala Government
- Recruitment of Faculty as per AICTE regulations.
- Academic Calendar, Semester Plan, Assessment plan and Lesson plan prepared before commencement of every semester.
- Equipped with well furnished classrooms and seminar halls.
- Seminars, Workshops with industrial experts, mini-projects, Industrial Visit and Internship.
- Innovation and Entrepreneurship Development Centre (IEDC) Programmes.
- Bridge Courses / Remedial Coaching classes.
- Faculty quality improvement through FDPs and other training programs.
- Mentoring systems with effective staff and student involvement.
- Every course is evaluated through feedback and which will use for further improvement.
- Exposure to recent trends in technological developments.
- Participation of students in competitions conducted by various organizations viz., IEEE, CSI, IETE, ISTE, SAE, ISOI to encourage their innovative talents.
- Industry supported labs like Intel Galileo lab, Cypress Psoc Lab etc.
- Continuous assessment of students with perpublished assessment plan.

Research, Innovations and Extension

- Promotion of research is one of the parameters for quality enhancement. The college management encourages its teachers to submit research proposals, and conduct research for which a research committee has been in place to facilitate the research and extension activities.
- The institution organizes workshops and sensitization programs to create research spirit among teachers and students.
- Some faculty members have got research projects sanctioned, some of which have been in progress.
- Faculty members have published their research papers in reputed National and International journals with good impact factors.
- The institution is also actively involved in extension activities to help society by its services.
- Students are socially sensitized and made aware of their responsibilities through community service programmes organized by NSS and Outreach programmes.
- Linkage with industries, institutions, research centers, social service organizations are formed for enhancing research, providing hands-on experience, on-job training for student projects and carrying out social welfare programmes to the community.

Infrastructure and Learning Resources

- A sprawling 30 acres campus located in the foothill of Western Ghats with lush greenery.
- Spacious well furnished Class Rooms, seminar halls, Department library, Central Library, Digital Library and E-Learning Resource.
- Adequate number of ICT enabled classrooms/Tutorial rooms for each department.
- Centralized computer centre, well-equipped laboratories with exclusive machines and major equipments.
- The Administrative Office, Board room, HOD's Cabins, individual cubicle of faculty are well equipped and having internet connectivity.
- Library constructed in 920 sq mt of carpet area with 325 sq mt of reading space and 200 seating contains 24350 books
- Digital library facility to access e-journals & e-books.
- Air conditioned conference Halls, Interview Rooms, Auditoriums, Laboratories, IEDC Cell, Placement Cell, R&D Cell, Examination Cell etc.,
- Research lab and project labs are available for each department
- Well equipped Laboratories with the major equipments.
- Comfortable sick rooms, prayer halls for all religions and amenities
- Availability of indoor and outdoor sports facilities.
- Psychiatric Counselor for students.
- Bank along with ATM, Postal Service, Reprographics, Stationery store etc are available
- Round a clock internet facility with 150 Mbps Speed for more than 700 computers with 24 hour power backup.
- 50KWh energy through in house solar power generation.
- Three diesel generators with capacity 62.5,125,250 KVA ensures the uninterrupted power supply

Student Support and Progression

- The institution has 151 well qualified and experienced faculty members.
- The management encourages the meritorious students by providing merit scholarships. So far around 226 students have been encouraged through merit scholarship by the management. In the academic year 2017–2018, 28.33% of the students (Merit cum means scholarship & Post Matric Scholarship, Centre Sector Scholarship, SC/ST, OEC) are benefitted through Government scholarship schemes.
- IETE, ISTE, SAE, IEEE, IPE Professional Society chapters and various Club activities are launched for the students.
- Sports have been conducted regularly to bring out their inner skills as well to improve the physique of the students. Average of sports and cultural activities/ competitions is organized at the institutional level every year.
- Every year, nearly 52% students from various disciplines are placed in the reputed organizations and many students have taken internship in well-established companies.
- Alumni association functions effectively through Alumni Meet and Guest Lectures, in order to exhibit the latest trends in the chosen field.
- Special coaching for GATE, I.A.S examinations are arranged for the students.
- Remedial coaching, Career Counseling and Personal Counseling are given to the required students. Soft skills and Language Lab is also provided to the students to enhance the communication, comprehensive and aptitude skills.
- The institution has a transparent mechanism to redress the issues like ragging cases and sexual harassment.
- Vocational Education training (VET) is given to the students of the entire department.

Governance, Leadership and Management

- The Institution conducts periodical meetings for the various committees.
- Institution level IQAC is constituted with 23 members.
- Department level IQAC assess the question papers well in advance before the series examination.
- Institution and departments following very effective financial management systems.
- Periodic updation of feedback from stakeholders.
- Internal and external academic audit is conducted for every semester to assess the academic performance.
- Enthusiastic participation of students in cocurricular and extra curricular activities under the supervision of faculty.
- There is cordial co-ordination between the management and stakeholders.
- Feedback of the stakeholders is updated periodically.
- Institution follows an effective financial management system.

Institutional Values and Best Practices

- Our campus is located in a hilly region of Kerala, in which 70% of the total area is covered with shrubs, plants and trees thus creating a pleasant greenish atmosphere reducing carbon foot print.
- Importance is given for rain water harvesting, using renewable energy sources like solar energy (we are part of energy grid), Bio gas and increase the greenery of the campus.
- Kerala State Renewable Energy Commendation Certificate 2017, was awarded to our college during February 2017 for the achievements towards the utilization of Renewable Energy.
- We have an effective waste management system for solid waste, liquid waste and e-waste.

- Good rapport has been developed with nearby villages and local public by helping and guiding them in following good practices, in saving energy, creating awareness about government initiatives through NSS and departmental programmes.
- We create awareness among our students and staff about protection of environment for the next generation and about Conservation and effective utilization of the available Natural Resources
- In addition to the Placement and Training activities for final year students for employment opportunities, we also concentrate on Concurrent Employment Enhancement Program for the final year students. This motivates and increases the self confidence in them in getting an employment after the course is over.
- We strive to develop our institution as a centre of excellence in a rural area.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VIMAL JYOTHI ENGINEERING COLLEGE
Address	VIMAL JYOTHI ENGINEERING COLLEGE JYOTHI NAGAR CHEMPERI P.O KANNUR-670632
City	Kannur
State	Kerala
Pin	670632
Website	www.vjec.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	BENNY JOSEPH	04602-213399	9048292767	04602-213513	principal@vjec.ac.in
IQAC Coordinator	ANTO SAHAYA DHAS D	04602-212240	9486747931	04602-212512	dr.anto@vjec.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	Yes Minority status.pdf
If Yes, Specify minority status	
Religious	Catholic
Linguistic	
Any Other	

Establishment Details				
Date of establishment of the college	27-05-2002			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name	Document		
Kerala	A.P.J. Abdul Kalam Technological University	View Document		
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC				
12B of UGC				
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-04-2018	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	VIMAL JYOTHI ENGINEERING COLLEGE JYOTHI NAGAR CHEMPERI P.O KANNUR-670632	Rural	30.15	52273.2

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Applied Electronics And Instrumentation	48	HSC or Diploma	English	30	22
UG	BE,Civil Engineering	48	HSC or Diploma	English	120	119
UG	BE,Computer Science And Engineering	48	HSC or Diploma	English	60	59
UG	BE,Electronics And Communication Engineering	48	HSC or Diploma	English	90	63
UG	BE,Electrical	48	HSC or	English	60	43

	And Electronics Engineering		Diploma			
UG	BE,Mechanical Engineering	48	HSC or Diploma	English	120	110
PG	ME,Applied Electronics And Instrumentation	24	BE or B.Tech	English	24	1
PG	ME,Civil Engineering	24	BE or B.Tech	English	24	24
PG	ME,Computer Science And Engineering	24	BE or B.Tech	English	24	7
PG	ME,Electronics And Communication Engineering	24	BE or B.Tech	English	24	7
PG	ME,Electrical And Electronics Engineering	24	BE or B.Tech	English	24	2
PG	ME,Mechanical Engineering	24	BE or B.Tech	English	24	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	14				19				117			
Recruited	14	0	0	14	10	9	0	19	57	60	0	117
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	14				20				117			
Recruited	14	0	0	14	11	9	0	20	57	60	0	117
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				122
Recruited	79	43	0	122
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				122
Recruited	79	43	0	122
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				36
Recruited	29	7	0	36
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				36
Recruited	29	7	0	36
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	0	0	0	1	0	0	0	0	14
M.Phil.	0	0	0	1	0	0	5	0	0	6
PG	1	0	0	10	8	0	52	60	0	131

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	1		0		1

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	229	1	24	0	254
	Female	142	0	20	0	162
	Others	0	0	0	0	0
PG	Male	3	0	0	0	3
	Female	38	0	0	0	38
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	4	2	3	6
	Female	1	3	1	2
	Others	0	0	0	0
ST	Male	0	0	1	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	33	30	29	0
	Female	22	25	23	0
	Others	0	0	0	0
General	Male	65	99	75	128
	Female	55	54	44	76
	Others	0	0	0	0
Others	Male	155	174	187	163
	Female	122	84	97	123
	Others	0	0	0	0
Total		457	471	460	498

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 463

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	12	12	12	10

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1770	1750	1737	1720	1580

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
96	108	108	108	108

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
458	416	452	444	343

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
151	177	173	137	131

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
150	163	155	144	126

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 46

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1023.01	1132.75	1112.6	993.56	813.02

Number of computers

Response: 725

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

Vimal Jyothi Engineering College is affiliated to APJ Abdul Kalam Technological University (KTU) and follows the curriculum and syllabi prescribed by the University. College has devised various strategies to ensure outcome based learning and for strengthening our teaching learning process. These are mentioned below,

- Subject/course allocation based on faculty preference, competence /experience and university syllabus is done through a formal staff meeting chaired by HoD well before the semester starts.
- Academic calendar, semester plan and time table is circulated and lesson plan is prepared. Lesson plan is prepared with well defined course outcomes, subject notes, learning materials like PPTs, manuals for conducting laboratory experiments.
- Content beyond syllabus to cover the curriculum gap is mentioned in the course file.
- Course team meeting is conducted in the presence of Principal, HoD, and faculty members handling class to check the availability of Lesson plan and Assignments.
- Classes are conducted as per the lesson plan.
- Class committee meetings and course committee meetings for students are conducted in every semester before the internal exams. Class committee meetings consists of a Chairman (external to the Program) faculty members handling classes, class tutor, top 3 students, average 3 and bottom 3 students of the class. Suggestions given in the meetings are taken care of and ATR is circulated to the members.
- Continuous assessment for laboratory work is done on the basis of viva questions and real time performance through well defined rubrics.
- Content beyond syllabus is covered by the faculty members/ External experts.
- Course delivery as per lesson plan and completion of syllabus is monitored by HOD.
- To maintained quality, the internal exam question papers are approved by IQAC before sending it to the exam cell.
- Student's feedback is taken twice in the semester for teaching learning process for every semester.

- PTA are called class wise after the result analysis of 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.
- Faculty members prepare course outcome and program outcome attainment for the courses.
- At the end of the semester, faculty members prepare a subject report (Report by Faculty) which intern will act as feedback to the faculty.
- Course files prepared by the faculty members are audited by KTU internal and external auditors at least twice in a semester.
- Digital library with e-books are available to both students and faculty members.
- In addition to central library each department have their own department libraries to support the students and faculties in the department.
- Bridge courses are organized and conducted for students to get a more understanding about the topics.
- Institution always encourages and supports the faculties to attend FDP/workshops to enrich with current technologies.
- Having mentoring system with 20 students assigned to one faculty.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 5

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	0	1	1	0

File Description	Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 7.15

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	6	0	2	1

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 52.92

1.2.1.1 How many new courses are introduced within the last five years

Response: 245

File Description	Document
Details of the new courses introduced	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 12

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 37.7

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
691	1130	744	361	333

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

1.3 Curriculum Enrichment

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

Response:

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 personal abilities and make choices without the limitations set by stereotypes, rigid gender roles and prejudices.

- Vimal Jyothi ensures that equal opportunity is given to both genders in terms of admissions,

- employment, and training programmes as a result of which gender issues generally do not arise.
- Women's Day Celebration has been conducted in association with IEEEESB VJEC.
 - Institution ensures equal representation of students (both genders) in students union, course committee, class committee.
 - Ms.Anusha Gigi S6 CSE is selected as the International student representative to the IEEE-WIE committee.

Environment and Sustainability:

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

- Go Green Club of the college is functioning with a vision to make the college campus green and Eco-friendly.
- Faculty have published number of books in the area of environment and sustainability. We have various projects and publication related to sustainable development.
- Rain water harvesting facility with 30 lakhs storage capacity.
- Grid connected Solar PV farm with 50 kW generation capacity along with roof solar panel of 2kW power supply. This takes care of 25 % of the power supply we need.
- Three Bio-gas plants, with a total capacity of 30 cubic metre is operational in our campus.
- Sewage treatment plant for water recycling.
- **List of core courses related to Sustainable development**
- Introduction to sustainable engineering
- Humanities
- Engineering Geology
- Economics and Business Management
- Environmental Engineering and Disaster Management
- Environmental Engineering 1
- Geotechnical Engineering 1 & 2
- Energy Conservation
- Business Economics/Life Skills
- Energy Management and auditing
- Environmental Engineering

Human Values and Professional Ethics:

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

- Charity pilgrimage is organized every year by the college to make the students aware of social responsibilities.
- Anti-drug campaigns have also been conducted by this institute.
- Plagiarism Checking is strictly followed in any type of publication.
- A well formed code of conduct is formulated to motivate the students become a responsible citizen.

File Description	Document
Any Additional Information	View Document
Link for Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 4

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 4

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 11.53

1.3.3.1 Number of students undertaking field projects or internships

Response: 204

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.16

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	3	3	3	3

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 70.73

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
461	474	461	498	447

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
624	684	684	684	636

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 76.55

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
83	64	63	108	85

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

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

Advanced Learners:

1. Encouraged to publish papers in Conferences and Journals
2. Encouraged to prepare for competitive exams such as GATE / UPSC
3. Recognized with scholarships.
4. Encouraged to join B.Tech. Honors
5. Encouraged to join additional certification programmes such as NPTEL / MOOC / BEC

Slow Learners:

1. All slow learners are given academic counseling.
2. The Mentors interact with the parents on issues related to academics and progress of students especially for slow learners.

3. Mentors counsel the slow learners and encourage them by providing with class notes, reading materials and solved university question papers to avoid the risk of drop out.

4. Remedial classes are arranged for slow learners.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio

Response: 11.72

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

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

Response:

Students are given the prime importance in the college. All the needs of the students are met with proper planning and facilities. The teaching learning process is designed to fulfill the student's needs and Outcome Based Education (OBE) is adopted in the institution. College is providing sufficient facilities to meet OBE. In the beginning of the programme, a bridge course / orientation programme is conducted for all the first year students to help them to acclimatize with the college and the curriculum. Tutorial classes are conducted as per the curriculum prescribed by the university. Apart from this, booster classes are given for the weak students to clarify their doubts and enhance their knowledge regarding the subject.

Extra classes are conducted for syllabus completion where the involvement of the students is fully ensured, which results in the interactive teaching learning process. Special efforts are taken for encouraging the students to participate in curricular, co-curricular and extra-curricular activities.

Sports, games and physical education have been initiated in the institution for the students' all round development. Students are counseled and encouraged to go for competitive examinations like GATE. Counseling is provided for the students to relax from the stress and to move in the right path.

Experiential Learning:

Students' seminar, projects, paper presentations have been streamlined in the Institution. Students are directed to participate for internship programmes outside college to develop professional skills. Infrastructure for ICT enabled teaching and learning is provided by the college. Air conditioned seminar halls with the precise ambience for conducting seminars, workshops and guest lecturers for interactive learning is also there in the college. Guest lectures and interactive sessions with successful alumni are organized for each semester. All the courses are provided with online learning material for promoting independent learning and for enhanced learning experience.

Participative Learning:

Students are encouraged to attend workshops, seminars, quiz competitions for participative learning. Department wise students' Associations are formed to ensure participation of students in various programmes. Technical fests were conducted to exhibit the technical skills and talents of our students. Industrial visits are organized in each semester to give more technical exposure and to promote industrial interaction. To facilitate independent learning, ample computer facilities and internet connection with Wi-Fi are provided. Well-equipped digital library with access to e-journal, NPTEL are provided to the students to inculcate research culture.

Problem Solving Methodologies:

To improve the problem solving skills of our students, they are encouraged and supported to participate in HACKATHONS, project contests and coding competitions. In addition mini projects and main projects in the curriculum serve as a major platform to hone the problem solving skills. Technical events enhancing problem solving skills are hosted in the campus under the aegis of various professional body chapters such as IEEE, ISOI, IETE, SAE.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 62.91

2.3.2.1 Number of teachers using ICT

Response: 95

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 17.35

2.3.3.1 Number of mentors

Response: 102

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

- To promote the critical thinking ability of the students, all the departments are affiliated to one or more of the professional societies.
- Students associations are very active in all the departments to develop organizing and leadership qualities of the students
- Students participation are ensured in technical events conducted by reputed institutions and Industrial organizations.

Particulars	Year/Frequency of occurrence
Guest lecturers in emerging technologies	Once in an year
Workshops	Once in Semester
National / International conferences	Once in an year
Innovative project competitions	Once in an year
Technical Fest	Once in an year

- IEDC invites innovative project proposals and sponsors few projects, based on the merit /Innovativeness / social relevance
- A well-equipped library having more than 400 national and international journals with online access.
- Regular workshops and seminars on emerging / hot technologies in the respective branch of specialization.

- Every course is provided with learning resources in GOOGLE classroom / other online platforms.
- Students are motivated to undergo internships in the leading industries which provide an insight into real life challenges and operational difficulties in industries

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 104

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 4.85

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
14	13	8	2	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 5.94

2.4.3.1 Total experience of full-time teachers

Response: 897

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**Response:** 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	0	00	0

File Description**Document**

Institutional data in prescribed format

[View Document](#)

e-copies of award letters (scanned or soft copy)

[View Document](#)**2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years****Response:** 4.15

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	11	8	1	1

File Description**Document**

List of full time teachers from other state and state from which qualifying degree was obtained

[View Document](#)

Any additional information

[View Document](#)**2.5 Evaluation Process and Reforms****2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level****Response:**

- The academic calendar is prepared for every semester in line with University calendar, which provides the information on scheduled timetable for internal assessments, model examinations and

the tentative schedule of University practical examinations; in regard to this, the students can plan their studies accordingly

- The question paper pattern for the internal examinations has been standardized by the institution with the help of internal question paper evaluation committee duly nominated by the concerned department head. The question paper pattern is similar to that of University end semester question paper.
- The Institution follows the evaluation procedure prescribed by the affiliating University
- The student's performance is evaluated with continuous assessment and end semester assessment. The evaluation weightage is 33.33% for continuous assessment tests and 66.66% for the end-semester.
- Four Internal assessment covers all the six modules.
- Internal test answer scripts are returned within 10 days from the actual exam date.
- Student marks are intimated to their parents through posts/sms.
- Retests are conducted for students who fail to attend any one of the internal exam with a valid reason with proof.
- The academic performance of the student and attendance of the student are maintained and recorded in each department through CMS which can be accessed by students, parents, staffs, HoDs and Principal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The institution is affiliated to APJ Abdul Kalam Technological University (KTU) and Kannur University. College strictly follows the evaluation criteria prescribed by affiliating university. The process is transparent and is communicated to the stakeholders, students, faculty and parents through proper channels.

- The evaluation process which includes attendance, internal assessment marks, assignment marks and pattern of end semester examinations are printed and distributed to all the students.
- Induction day-'Jyothirgamaya' for fresher's serves as the best platform to communicate the process of evaluation system followed by the institution to all the parents, staff and students, which enhance the understanding of evaluation procedure adhered in the Institution.
- Department meetings, Class committee meeting and counseling sessions are helpful for the better coordination between staff and students.
- Regular interactions of HoDs and Faculty with the students are also arranged.
- Course meetings are convened by principal before the commencement of every semester to discuss any changes in evaluation/assessment system and inform the changes if any to students.
- The marks awarded to the students in the continuous assessment tests and the attendance percentage is communicated to parents through post by the department, which is accessible through

CMS.

- Any change in the schemes of evaluation, updates on curriculum revision, alterations in the question paper patterns are conveyed to the students and the faculty members through University web portal, College web portal and college notice board.
- PTA meetings are conducted in every semester to discuss the progress of students in assessment test.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

- After the completion of assessment tests, the performance of the students is published. The students who have any grievance in the evaluation process can approach the faculty member who evaluated the answer scripts for any discrepancies in the mark.
- If it is not resolved by the faculty concerned the students can approach the head of the department.
- If the matter is not resolved, it is escalated to the institution level grievance redressal committee.
- After the declaration of university results the students can apply for re-valuation. The University provides the students with an option of obtaining photocopy of their answer sheets
- If a student is not satisfied with revaluation results, he / she can go for a review with the recommendation by the head of the department and Principal.
- Challenge revaluation fee is reimbursed by the University to the students in case of improvement in the grades in comparison to the first evaluation.

Other type of grievances like data missing in the question papers, question asked from outside the syllabus, question paper being tough etc., are communicated to the controller of examinations by the concerned faculty through the web portal on the same day of the conduct of examination, which is approved by the HOD's concerned and the Principal for necessary action.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

- The academic calendar provides the date of commencement of the academic session, duration of semester, date of internal exams, internal assignment dates, final semester examinations etc.
- The Lesson Plan is prepared by the faculties individually with details like Unit wise topics, number of teaching hours allocated for each Unit, the mode of instruction. The time table is prepared well in advance before the commencement of every semester to avoid any shortfall in syllabus coverage.
- A detailed assessment plan is prepared for each class with the date of issue, submission and return of assignments.
- Semester plan is prepared with the information of major activities to be carried out in a semester.
- In class committee meeting the objectives of each subject is explained by the faculty handling that particular subject. The expected outcome from the student is also explained

Syllabus completion is tracked through periodic checking of lesson plan sheets, class committee meetings, record of class work and Department meetings.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Program outcomes and program specific outcomes for a particular program are stated displayed and communicated through various ways such as:

- Communicated in departmental faculty meeting.
- Displayed in departmental webpage of institutional website
- Published in Students Lab Record
- Displayed in Laboratories.
- Displayed in class rooms, Staff rooms and in the rooms of Head of the Departments.
- Displayed in departmental library
- Displayed in department notice boards
- Discussed in DAB meeting (Department Advisory Board)
- Incorporated into the departmental android app (ECE-VJEC which can be downloaded from google play store)
- Class PTA invitation
- Communicated in class committee meeting

Course Outcomes are displayed in Lesson plan, Lab records, internal exam question papers and course file.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The institution evaluates its PO's and PSPO's by the following ways.

1. Direct assessment method
2. Indirect assessment method

DIRECT ASSESSMENT METHOD

The departments under this institution conduct four internal examinations and two assignments to assess the attainment of the course outcomes (CO) and in turn contributes to the attainment of the programme outcomes (PO) and Programme Specific Outcomes (PSO).

Attainment of PO's using direct assessment method is done by calculating the weighted average of COs attained using the CO-PO mapping of all courses.

To facilitate continual improvement in attainment of COs, target levels are set for each CO by the faculty based on the previous student performance and nature of the course.

INDIRECT ASSESSMENT METHOD

PO attainment using indirect assessment method includes the following ways:

1. Exit Surveys are conducted from the passed out students in each academic year
2. The co-curricular activities of students
3. Feedback obtained from the workshops and seminars conducted to bridge the gap between the curriculum and POs.
4. Feedback obtained from stakeholders

The overall PO attainment can be calculated by assigning appropriate weightages to the direct and indirect assessment methods.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students**Response:** 89.49

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1891

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 2113

File Description**Document**

Institutional data in prescribed format

[View Document](#)**2.7 Student Satisfaction Survey****2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.04

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 5

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
5.0	00	0	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 2.65

3.1.2.1 Number of teachers recognised as research guides

Response: 04

File Description	Document
Any additional information	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.03

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 01

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 150	
File Description	Document
Supporting document from Funding Agency	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

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

1.IEDC:

Innovation and Entrepreneurship Development Centre (IEDC) of Vimal Jyothi Engineering College is aimed at direct involvement of the student community in the creation of a sustainable entrepreneurial ecosystem in our college. The center provides a range of resources that enables it to empower students, faculty and staff to pursue entrepreneurial achievements. Provide grants for students to pursue their own ideas for products. The Patent cell of the college is integrated with EDC and complete Financial & Technical support is provided for startups in querying patents and we have already filed more than 43 Patents under IPR Cell. We have received an amount of Rs 6, 30,000 from Kerala startup Mission as a funding for various activities so far and we have set up an exclusive Robotics and IOT Library with 15+ development tools for hardware Startups. We also providing training and workshop on more than 20 different areas and every workshop are completely free of cost.

2.IIPC: The ultimate aim of imparting professional education is to endow the student?s industry-ready by providing exposure to current industry practices and to secure job in any platform. The IIPC established in VJEC is determined in acquiring the following objectives:

- To enhance the relationship between the Institute and industry.
- The college is keen in updating the curriculum of variegated departments as per industrial demands.
- IIPC reflects in updating knowledge base of professional?s in different emerging sectors through development programmes and interactive sections with industry experts.
- It enables the students in implementing their theoretical knowledge to practice by executing projects in various industries.
- It also takes keen interest in encouraging and supporting the students to visit various industries and technical exhibitions, in order to augment and move one step ahead in the existing cordial relationship between industry and institute.
- To provide internship, industrial training programs for pre-final year students to acquaint them beforehand with the demands of the corporate atmosphere.

3. Robotics Club

This is an organization at VJEC that provides students with the resources to develop robots. Robotics is the branch of technology that deals with the design, construction, operation, structural disposition, manufacture and application of robots. The club also have widespread goals in the areas of embedded and mechatronics projects. Robotics Club of VJEC strives to stimulate interest in robotics among the students of the institute.

4.Auto Desk

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 2

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	01	00	00

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 5

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.23

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	15	6	7	1

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.2

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	14	7	2	3

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

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

- In order to ensure holistic development of students, the Institution encourage the students to involve in community services to develop good citizenship.
- Student members of NSS have taken part in activities like blood donation camp, awareness rally for blood donation and AIDS awareness.
- Our college motivates the students to do innovative projects which solve social problems and meeting the essential needs through IEDC project scheme and academic projects.
- NSS unit has conducted various programmes like Tree Plantation, Health Awareness programs, Medical Camps, Consumer Awareness programmes at neighboring villages.
- Energy efficiency program is conducted to nearby Eruvessy panchayat local people for the awareness of energy saving and also explained how to reduce the energy consumption through

IEEE PES.

- Technical awareness programs are conducted to nearby school students and villages by IEEE PES volunteers.
- As part of the extension activities NSS VJEC provides wheel chair distribution and also conducts a Green clean campus, Swachh Bharath mission and Rain water harvesting program.
- During the Ockhi storm in 2017, our students and faculty members have contributed to flood relief services through the NSS units.
- Computer literacy program is conducted to empower the house keeping women in our college by IEEE Women in Engineering.
- Our students had done society relevant projects such as cocunut climbing machine.
- Charity pilgrim: Students visits nearby orphanages for helping them by distributing food items and cleaning materials (koottupuzha Sneha Bhavan and Marillac Bhavan Madathil).

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 1

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	00	00	00

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 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 last five years

Response: 42

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., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	6	13	19	1

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 6.41

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
210	100	59	54	125

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 62

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
22	14	13	11	2

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 3

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	01	00	02

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

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

Class Room Facilities:

The institution has 38 classroom, 22 tutorial rooms , 37 laboratories and 8 seminar halls to conduct the regular classes for its UG and PG programmes. ICT enabled classroom facilities make the students more interactive .All the classrooms are equipped with LCD projectors, LCD and LAN and WIFI connected facilities. The available physical infrastructure is optimally utilized beyond regular college hours, to conduct value added courses, co-curricular activities/extra-curricular activities, parent teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences. It is used as an examination centre for Bank Recruitment examinations, Government examinations/University Examinations like GATE, KPSC, UPSC.

Laboratory Facilities:

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

Computing facilities:

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

Library:

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

Training and Placement Cell:

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

IEDC:

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

Transport:

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

Residential facility:

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

Generator:

Apart from state grid power consumption VJEC generates 50Kwh energy through in house solar power generation. The 3 diesel generator with capacity 62.5KVA, 125KVA, 250 KVA ensures the uninterrupted power supply inside the campus for day and night.

Banking:

Syndicate bank has its service branch inside the campus along with ATM facility.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

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

Sports

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

Cultural:

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 46

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 8.73

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
102.6	104.65	108.4	65.9	65.25

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

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

Response:

- For Integrated Library management system VJEC has Delplus and NewGenLib softwares
- Subscribed to Electronic Resource Management package - DelNet
- Inter library loan facility with DelNet
- Federated searching tools to search articles in multiple databases are available
- Library remote access facility on <http://210.212.235.51:8080/newgenlibctx/>
- In-house / remote access to e-publications are available
- The online reference facility is available for public access
- Library is equipped with internet connectivity with a bandwidth of 150 Mbps
- Library is facilitated with NewGenLib software for Institutional Repository and content management for e-learning
- Online e-journals like Science Direct, IEEE Xplore are subscribed

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Good quality teaching and learning resources with more than 7450 titles of books for various departments with a total number of 26500 volumes are available in the library. There is separate reference section with large reading space. Library also consists of large no. of technical journals and magazines. Digital library with number of e-Books (McGraw Hill Access Engineering, ASTM Digital Library), Online –Journals

[IEEE, Springer, ASCE, Elsevier Science Direct], Question Bank, Syllabus, J-Gate[JET], , NPTEL Video Collection, Cognifront Teaching Software etc. are available.[Digital Library Link: <http://210.212.235.51:8080/newgenlibtxt/>]

The library is constructed in 920 sq mt of carpet area with 325 sq mt of reading space with 150 seating. VJEC has the practice of collecting and maintaining rare books, special reports and other knowledge resources to the benefit of students and faculty members for their knowledge enhancement and their research activities. Overall, this library has a collection of 946 rare books, including special reports and knowledge resources for Reference, Higher Studies, Career Development, and Project & research purpose.

A separate reference section supplies with the collection of books for UGC-NET/JRF /SET , RESEARCH APTITUDEGATE, GATE, Bank Exam, Illustration Dictionary GRE, TOFEL,IELTS, Competitive Exams and regional language (Malayalam) books.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years

(INR in Lakhs)**Response:** 19.54

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
20.8	20.7	20.1	20	16.1

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 4.42

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 85

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

In the entire campus together with college and hostels, all the computers are connected by the LAN/Wi-Fi by 172 Mbps speed capacity broadband provided by BSNL India Ltd., with backbone optical fiber connectivity. Sufficient Optical fiber ports and Ethernet ports are provided over the campus, for laptops /

devices in need of internet connectivity. Previously from years 2011 to 2016, the institute maintains its internet facility with 2Mbps & 10Mbps connections.

The latest configuration systems are available in computer laboratory. The college has 50 wifi hotspots with Wi-Fi controller to cover the area throughout the college. CYBEROAM CR 750ing hardware firewall and six manageable switches from CISCO to prevent unauthorized access to and from the private network to prevent the unauthorized Internet users.

VJEC has 725 computers, 6 IBM servers and 1 storage server with SAS technology. As per the curricular needs all the departments are having the latest software in their fields. Some open source software like Linux, Unix are also utilized effectively. Apart from the curriculum the latest industrial needed software are available with the departments in order to train the students with the current industrial trends.

There is a separate iOS lab with 15 iMac machines to train our students in iOS app development using technologies such as SWIFT and Objective-C.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio

Response: 2.44

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 23.71

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
263.2	251.41	257.49	241.55	188.2

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

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.

Response:

The students and faculty of VJEC are actively utilizing the physical facilities like Laboratories, Classrooms, Library, hostel, play ground etc .The class room and other spaces available can be utilized as exam centre on holidays for Government Exams, GATE exams etc on holidays and vacation period. On summer vacation the motivational classes and skilled development courses are conducted for school students and other public. Daily cleaning of class room and open spaces are carried out by the house keeping people under the supervision of a maintenance supervisor. The maintenance department also takes care of the electrical, plumbing works, gardening with respective skilled technician. Regarding the laboratory at the end of every semester regular checkup of equipment is carried out. The minor repairs are carried out by the technical staff and faculty member as per the requirement. Major repairs of equipments are outsourced to the service centers.

For Computer hardware/Network maintenance the procedure is as follows

- There is a report/status Google form (https://docs.google.com/a/vjec.ac.in/forms/d/e/1FAIpQLScVDm5zB6oOd0R6cKfAo76Ym_NYK2iT52KI9jfecqGYAEvWlw/viewform)
- Register the requirements for Maintenance/Repair
- The complaints registered are sending to respective person.
- The status is updated

For Civil and Electrical maintenance the procedure is as follows:

- There is a report/status Google form (<https://docs.google.com/a/vjec.ac.in/forms/d/e/1FAIpQLSe0L8DVptzCXbsZpsQzSbdL-5mbbvmEoYEj8BY7gW-STf6hEQ/viewform>)
- Register the requirements for Maintenance/Repair
- The complaints registered are sending to respective person.
- The status is updated

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 20.63

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
444	417	337	364	216

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 2.38

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
63	8	11	45	73

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 18.42

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
313	389	388	370	132

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 8.08

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
359	114	181	55	0

File Description**Document**

Details of the students benefited by VET

[View Document](#)

Any additional information

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response:** Yes**File Description****Document**

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)

Any additional information

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 51.2

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
150	314	265	208	145

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 0.66

5.2.2.1 Number of outgoing students progressing to higher education

Response: 03

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 13.19

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	5	2	3	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
16	18	14	17	14

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

Response: 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	00	00	00

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The Student Council represents students of the college and it acts as the intermediary between the students and the management. The college student council is formed as per Lyndon Committee recommendations approved by the Honorable Supreme Court of India. It is based on a parliamentary (indirect) system given in Section No.6.2.4 of Lyngdoh Committee recommendations. Election is held every year and the following office bearers are elected:-

- Chairman
- Vice-Chairman

- Class representatives – Two (One male student and One female student)

Student Council helps the administration in maintaining peace and harmony in the campus by helping the administration in smooth conduct of various academic and co-curricular activities. The council liaises between the management and students to ensure student's welfare. The council working along with management ensures coordination and effective working of various professional society chapters and clubs of the college. Student council is also responsible for the organising the "Arts Fest" of the college, which is conducted once in every year. Fine arts secretary is the chief student coordinator for Arts events and other cultural events like "Onam celebrations". Technical events organised by the professional society chapters like IEEE, SAE, ISTE, IETE, SAE, IPE etc. also witness active participation of students council members. Seminars, Symposiums, Workshops, Hakthon, TEDX, International and National conferences organized by various departments with help of student council.

Student council members in the "Anti-ragging Committee" of the college are instrumental in prevention of ragging in the campus. To make students socially responsible, Student council members along with NSS volunteers organizes a number of social welfare programs. Annual sports events are also conducted with the help of the council and sports captain helps sports officer to coordinate various sports events throughout the year. Student Council also helps the management in maintaining a clean and green campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 3.2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	3	3	3

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

“ALUMNI ASSOCIATION- VIMAL JYOTHI ENGINEERING COLLEGE” (AA- VJEC) is vibrant and functioning Alumni association. The aim of the association is 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.

The Executive Committee of “AA- VJEC” consists of a President, a Working President, a Secretary, a Joint Secretary and five elected/ nominated members. The Chairman of the college act as the Ex- officio Patron of the Association. The working President is the Principal and the Secretary is always an alumnus working in the college. The President, Joint Secretary and members are alumnus working outside the college.

Alumni meet “Oru Vattam Koodi”, was held on 10 September at the College. The meeting was attended by more than 200 Alumni from various parts of the world. Distinguished alumni were honored with a citation during the event. The meeting gave a platform for sharing of knowledge and experience between various stake holders. Alumni association members assured cooperation and help to the college in its pursuit of achieving academic excellence.

Interaction of the Alumni with the students is encouraged and alumni are given opportunity to take motivational lectures to the students whenever they visit the campus. These classes give realistic idea to students about career/entrepreneurial opportunities after graduation. Many alumni are involved in assisting placement cell in finding suitable placement for young graduates every year.

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 2

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	1	1	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document
Report of the event	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

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

Nature of Governance

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of 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. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology.

With profound insight into the resource requirements of the higher education system, VJEC has proudly set up world-class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC.

Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, CSI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process. Effective implementation of quality control processes ensure Engineering graduates with the expected level of knowledge, skill and attitude.

The Management strictly adheres to the recommendations of its Governing Council. The governing council meeting is convened twice a year and all aspects of academic and non-academic matters are discussed threadbare and decisions are taken to benefit all the stakeholders of the system.

Perspective plan

The institution has various perspective plans for the overall development. The plan is drafted by the principal in consultation with Governing council body and Heads of the various departments. Academic Calendar is scheduled according to this plan. The envisioned features of the plans are:

- Getting NBA Accreditation

- Getting NAAC Accreditation
- Signing more number of MoUs
- Strengthening Institute - Industrial relationship
- Creating tie-ups with leading Industries to introduce industry relevant programs in association with leading industries through tie-ups.
- Strengthening R & D
- Conducting GRE , GATE, TOFEL classes
- Identifying Value added courses to cater the need of Industry
- Organizing training to improve soft skills
- Increasing the numbers of consultancy projects
- Improving the Infrastructure in line with technology upgrade
- Developing Entrepreneurial skills by IEDC cell

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

Participative Management is one of the core cultural features of the institute. Management representatives, Principal, Faculty members and students play important role in participative management. They can provide ideas and constructive suggestions on the operational activities of the institute. Management representatives involves in maintaining quality and welfare aspects of the Institute. Principal drives all the academic and non-academic activities in-tune with HODs and faculty members. The institution reassures participative management at various levels. Administrative and academic committees such as class committees are formed where students and faculty members play a vital role in decision making process. This ensures participative management at all levels. Meetings are conducted every week by the Head of the Institution with Head of the departments where policies are framed and decisions are made. These are disseminated to staffs by HODs through periodical departmental level staff meetings. The management is also open to the ideas and suggestions given by the faculty members in implementing the policies framed. Principal heads the academic, administrative and other matter related to students. He delegates various roles to the members in the committee in consultation with HoDs to act autonomously. HODs have functional autonomy to decide on the various departmental events and implementing them with the involvement of the faculty members. They have the core responsibility of proposing the departmental budget, framing timetable, subject allocation, assigning department coordinators for various committees, conduction of National and International Conferences, organizing seminars and workshops, arranging Industrial visits, In-plant trainings and help in revising COs and PSOs.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The management and staff of Vimal Jyothi are highly committed to provide quality and excellence in all academic programmes that surpass the expectations of our stakeholders. Vimal Jyothi Engineering College is committed to provide quality education and training in Engineering and Technology, to become a Centre of excellence in technical education.

We constantly review our academic programmes and services to ensure that they are holistic, relevant and in line with the latest technologies and developments.

Long term goals:

- To become an autonomous institution offering high quality technical education
- To become a world class technical institution fostering innovation and entrepreneurial spirit
- To ensure quality of education and experience and create values which enables students to apply their skills, values and intellectual discipline in their future lives and career.
- To strive for the personal and professional success of its students, staff and alumni
- To engage in the pursuit of excellence through the creation, preservation, transfer and application of technical knowledge

Short term goals:

- To attract best students, irrespective of background and select them on the basis of merit and potential
- To organize continuing training programmes regularly in order to keep the students abreast of ever changing technology
- Continually improve campus placement to attain 100% placement for our students
- To provide additional skills to students to make them industry ready
- To maintain constructive relationship with other institutions and industry for research and development

Training and Self Development:

- Encourage faculty and students to participate in workshops, seminars, conferences etc.
- Encourage and motivate faculty members to pursue higher education

Ecology and Environment

- Vimal Jyothi is an Eco Friendly Green Campus located on an evergreen region at the lap of the Western Ghats.
- College is having a Rain Water Harvesting System with a storage facility of approximately 260 thousand litres of water. This helps the accumulation and deposition of rain water for reuse during summer.

- National Service Scheme and other social organizations in the college helps in enlightening the students about the importance of protection and conservation of our environment through various activities, such as sapling plantation, awareness classes about the adverse effect of human activities on the environment etc.

Communication to students, Teachers, Staff and other Stake holders

The vision and mission statements are communicated to all students, teachers, staff and other stake holders through circulars and notices on campus, display on boards and websites. The objectives are also published in the college prospectus making them available to students, parents and the public. Now-a-days the modern tools of communication such as e-mail, sms and Whatsapp are also being utilized for the dissemination of information.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Governing Board – Vimal Jyothi Engineering College.

Functions and Responsibilities of Governing Body.

1. Propose academic related projects and get the approval of 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 formation of some policies like promotion, incentives etc.

Frequency of meeting: Once in 6 months.

HoDs and Principal: HoDs and Principal meet on every Wednesday at 2.30 PM to discuss and decide on all matters pertaining to the day to day running of the college. One or two observers from the management also used to be present in the meeting, so that resource requirements for the actions to be allocated/mobilized without delay. Faculty and other officers (Librarian, placement officer, enquiry committee members, Arts/sports in charges etc.) are called in as special invitees as and when required to assist the decision making process.

Minutes/ATR of HoD meetings reflects every aspect of running of this college in the past years.

Service rules, policies and procedures:

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. The List of the policies is given below:

- Recruitment policy
- Promotion policy
- Leave policy
- Norms regarding sponsorship of faculty for PhD program.
- IT policy
- Mobile phone usage policy
- Transportation policy

The mechanism and composition of Grievance Redressal system:

Following are the avenues for Grievance Redressal available for students.

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

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development**
- 2.Administration**
- 3.Finance and Accounts**
- 4.Student Admission and Support**

5. Examination**A. All 5 of the above****B. Any 4 of the above****C. Any 3 of the above****D. Any 2 of the above****Response:** B. Any 4 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions**Response:**

The Institution has constituted the following committees / cells for the effective governance and management.

Governing body - The apex committee for the institution is the Governing body which is headed by the Chairman of the trust. Periodical meetings are conducted and decisions are made regarding the governance of the college, infrastructure development and other issues.

IQAC - Academic and Administrative quality is ensured by an Internal Quality Assurance cell that monitors internal and external processes that leads to the Institutional progress in all aspects.

Department Advisory Board - Consists of internal and external stakeholders. DAB meeting is held once in a year to discuss and decide on improvements in OBE.

Anti-ragging committee - Ragging issues if any, are addressed by Anti Ragging Committee.

Grievance and Appeal Committee - Redressal cell in the college functions to enquire into grievances and initiates redressal of the issues.

Disciplinary Action Committee - Looks into discipline related issues such malpractices in exams, violation of campus code of conduct and indiscipline. The committee also looks into the enquiry committee reports to recommend suitable remedial actions for implementation.

Students Welfare Committee - Looks into the student welfare related issues reported in forums such as class committees and course committees. In addition these committee coordinates with student council members the conduct events such as Onam celebration, Arts and technical fest.

Parent teacher association (PTA) - It is a living organization of parents of all students of college and teaching faculty .It provides a common forum for interaction of parents and teachers so as to improve academic standards, maintain discipline and facilitate overall development of the college.PTA executive council meets at regular intervals and the annual general body meets once in a year.

Class Committee - Chairman of the committee will be HoD of the other department, Members – all faculty members teaching the course in that class and class representative of students by medium, low, high academic performance.

Course Committee - Chairman shall be senior faculty member not offering the course. Members-teachers offering the course, class representative of that particular class from each class.

Both the committees should monitor the conduct of the course, adherence to the course plan and time schedule, completion of the syllabus, standards of internal test, evaluation process and difficulties faced by the students to take suitable remedial action.

Anti-sexual harassment Committee - Looks into any complaint of sexual harassment which comes to the notice of committee, immediate disciplinary action along with appropriate action in accordance with the law should be taken.

Food safety committee - This committee's goal is to provide information to connect you to the food and beverage safety.

Mess Committee - It facilitate the availability of quality and variety of food to over 1000 students, faculty members and academic and non-academic staff .Mess committee takes almost care while preparing mess menu.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The following are some of the welfare measures implemented in the college for teaching and non-teaching

staff:

- EPF
- Staff Association for Mutual Empowerment (SAME)
- Medical Insurance (with management contribution)
- Medical leave
- Maternity leave
- PhD leave
- PhD incentive
- Incentives for publications and result
- 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	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 6.7

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

2017-18	2016-17	2015-16	2014-15	2013-14
14	23	13	03	02

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 8.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	11	8	11	8

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 18.57

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
49	37	43	19	01

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

An effectively designed skill appraisal system is in practice based on the performance appraisal. Department heads also evaluate the performance of the faculties. Based on the performance appraisal staff is given higher grade pay and promotion. The achievements are announced by the department heads. A format has been designed as per the guidelines of the UGC taking care to follow the standards applicable to Institutions like ours. Various bench marks are set depending on the cadre of the faculty. Every academic year, the process of performance appraisal takes place. Every member of faculty is directed to fill the prescribed form which consists of academic, research and administrative responsibilities. Each and every claim should be supported with relevant documents

Sl. No	APPRAISAL	DESCRIPTION
1.	Faculty Appraisal	Faculty members are evaluated based on Academic Performance terms of Result attained, Paper Publications, Extra-curricular activities and increments are provided.
2.	Peer Review	Peer evaluation of the class is done by peer faculty members. VJEC policy - Peer observation
3.	Financial aid for the Research Publications	Faculty members can get financial help from institution for publishing research papers.
4.	Student Feedback	At the end of each semester student's feedback about 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

Document

Any additional information

[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The income and expenditure of the institution is audited regularly by M/s Jacob & George Chartered Accountants, which is fully external auditing system. There are no major audit objections. For certain minor expenses accounts department will itself act as internal auditing system. We are conducting two internal audits in every year.

Being a self-finance institution, we prepare our annual budget in accordance with the expected income as tuition fee. We prepare our annual budget well in advance so as to minimize any kind of financial deficit. If

any deficit arrives the institution approaches suitable bank for getting support as loans. In such circumstances the repayment of loan gets priority in the subsequent budgets.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 41.25

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
9.55	10.53	10.03	7.72	3.42

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

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	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

Example 1 – Mentoring System

Mentoring is a proven, cost-effective strategy to engage students in undergraduate programs. Effective mentoring begins with the faculty. Far from being an optional extra, or a task to be attended as time permits, mentoring is as essential to a faculty member's success as teaching, research and publication are, and for same reasons it benefits both students and mentors as it advances the discipline, ensuring the quality and commitment of the next generation of scholars.

Scheme is adapted for the value additions to the students like

- Bridging the gap between the teachers and students
- Creation of a better environment in college, where students can approach teachers for both educational and personal guidance.
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication
- Awareness and support to students for competitive exams like GATE.
- Motivation for higher studies and entrepreneurship
- Guidance and support for improvement in academic performance.

Ongoing Process

- Regular meetings are held between mentor and mentee.
- A report card is maintained for each student
- The report card has both personal and academic details
- Students are allowed to approach the mentor for both academic and personal problems
- Personalized professional / career advice is given to the mentee.
- In addition counselling is offered to the needy students by the campus counsellor.

Example 2 – Special Skill Improvement Training

A number of skilled programs are conducted regularly to upgrade Skills and Knowledge of students.

- Infosys campus connect offers training to various computer technologies / platforms prevalent in

the industry. Students are trained in both hard and soft skills.

- Training and Placement cell organizes number of programmes to develop soft skill and aptitude abilities of students.
- In association with Prolific systems and YOKOGAWA India Ltd., training is provided to the students.
- ‘Skilled Engineer’ programme conducted by ME department imparts additional skills with respect to quality control techniques, Non destructive testing. Practice in petroleum and chemical industries is being imparted. The course helps graduates to find jobs in petroleum and chemical projects across the world.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

Example 1 - Department Advisory Board (DAB)

The College has been reviewing the outcomes of its teaching process at periodic intervals and has been modifying its policies and methodologies to suit the requirement of all its major stakeholders. Department Advisory Board is constituted for each branch. Head of the Department, senior faculty member of the department, representatives of management, industry, alumni, students, PTA and academic experts are also the members of DAB.

Roles and responsibilities:

- Approval of Vision and Mission of the department.
- Approval of Program Educational Objectives, Program outcomes, Program specific outcomes.
- Approval of Department Assessment plan and semester plan.
- Analysis of attainment levels by different assessment tools.
- Feedbacks from students and faculties are collected for the further improvement of the department.
- Approval of revision and changes in the PSO, Vision and Mission, if required.
- Recommending additional courses for filling the curriculum gaps.

Example 2 – Internal Academic Audit team

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

- Detailed lesson plan of each course is prepared by the concerned faculty at the beginning of the semester according to the syllabus and academic calendar framed by KTU for the effective completion of syllabus.
- Academic calendar is prepared during commencement of the academic year with the dates of unit tests, internal assessments.
- Implementation of Bridge course in the beginning of each semester providing value addition, soft skill training and giving intro to each subjects based on current scenario. It helps the students to attain maximum performance in placement process.
- Each faculty is maintaining a logbook for recording the students' attendance and track the syllabus coverage which is periodically attested by the HOD.
- For the regular tracking of portion coverage, attendance, internal assessments etc we are getting the assistance of Spaneos software. Every activity we are going through is recorded up-to-date in the software so the Principal and HOD can easily monitor the activities.
- The Software will provide information to the parents about the attendance of the students immediately.
- The continuous evaluation system prescribed by KTU requires only two assessments throughout the semester and that too only for theory subjects. VJEC has made it more continual with additional two continuous assessments for every theory subject. Assessment is done based on the performance of each experiment along with viva-voce questions. This has made the teaching learning process more effective and meaningful.
- Booster classes are made mandatory to all weak students in every semester, which are being monitored by mentors/ coordinator. Students are facilitated with a provision in the time table.
- Internal academic audits are conducted by the IAAT to ensure the follow up of system.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 5

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	4	6	8

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

2013-2014

- Remedial classes were arranged for the slow learners and their progress has been continuously monitored.
- Training in Aptitude and soft skills development is provided by the Training and Placement

division of our college.

- A well equipped Language lab with state of art facilities is provided to enhance the communication ability of the students.
- A digital library with a wide range of resources enables the students to develop not only their subject knowledge but also to face competitive examinations.
- Our college students bagged 5 University Ranks in the final semester examination.

2014-2015

- 5 University Ranks have been secured by our students

2015-2016

- THE IEEE-IAS SB- VJEC under the Department of Electrical and Electronics Engineering received two International Awards for Outstanding Student Branch Chapter and Chapter Web Contest at IEEE -IAS Annual Meeting held at Dallas, Texas, USA in 2015.
- THE INDIAN WORKSHOP of IEEE -IAS was hosted by VJEC under the Department of EEE from 4th - 6th September 2015.
- THE KERALA IEEE Technical Symposium (KiTeS'15) was hosted by VJEC under the EEE Department from 23rd -25th August 2015
- Mr. NIKHIL K GEORGE, S5 EEE secured SECOND POSITION in KSEB District Level Technical Quiz competition conducted by KSEB at VJEC on 13-10-2015
- 5 University Ranks have been bagged by our students in the current year

2016-2017

- Remedial classes were arranged for the slow learners.
- Online classroom software to help the students to study in vacations and other public holidays.
- Avail Digital library NPTEL to the students.

2017-2018

- Booster classes were arranged for the slow learners.
- Bridge course for newly joined BTech ,Mtech students.
- Online class room facility Google classroom, Moodle, Mooc.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 3

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	1	0	0

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

Any additional information

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

- 1. Safety and Security**
- 2. Counselling**
- 3. Common Room**

Response:

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

Safety and security

- Separate ladies hostel with all essential requirements are being provided.
- Separate medical room facility with visiting lady doctor and 24 hrs nursing service.
- Girl students participating in sports and cultural or any co-curricular activity outside the college are being accompanied by lady staff members and physical directress
- The College Student Vice-Chairman post is always for a girl student
- There are two student representative in each class. One male student and compulsorily one female student.
- Providing transport facilities for all inmates of the ladies hostel in case of outing etc

- The seating arrangement in the bus, class room, dining hall are earmarked for girl students and lady faculty members
- Campus is well lit with lights and fitted with CCTV camera where ever necessary
- Campus is secured with well-trained group of security personnel, avoiding the possibilities of unauthorised entry and exit, in the campus.

Counselling

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

Common Room

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

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 18

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 64800

7.1.3.2 Total annual power requirement (in KWH)

Response: 360000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs**Response:** 6.35**7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)****Response:** 4800**7.1.4.2 Annual lighting power requirement (in KWH)****Response:** 75600**File Description****Document**

Details of lighting power requirements met through LED bulbs

[View Document](#)**7.1.5 Waste Management steps including:**

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:**Solid Waste Management**

We are effectively collecting the vegetable waste from the hostel kitchen, vegetable waste from canteen, waste food from mess halls and processed to produce bio-gas, which is used for cooking. 3 Bio-gas plants, with a total capacity of 30 cubic metre is in operation in our campus. The excess food waste is used to feed the cattle in the farm

Liquid Waste Management

Used Water collected from kitchen wash, wash basins, cloth washing and bathrooms of hostels are collected and sent to the waste water treatment plant in our campus. The treatment plant operating with activated sludge process, has a capacity of treating 2 lakh liter per day. The treated water is used for gardening purpose.

E-waste Management

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

Guest lectures on hazardous management of electronic wastes are arranged. Newspaper cuttings of hazards of e-wastes are also frequently displayed in the Notice Boards.

Civil engineering department has a M. Tech. student project using E-waste wires as fibers to improve the strength of concrete. Project titled “Study of Characteristic strength of Concrete using E-waste wire as Fibers”

Efforts for Carbon Neutrality

The near zero carbon foot print is achieved in the campus mainly through planting trees and steps are taken to conserve energy. The college is a beautiful serene campus full of greenery which improves the aesthetics, reduces global warming and green house effects. They provide shade in summer and act as wind breakers in winter season. It minimizes the use of air conditioners, fans and heaters. Trees are effective cleansers and remove pollutants from air and soil, thus minimizing the carbon footprint and around 70 % of the campus is covered with plants and trees.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain Water Harvesting system is installed in our campus. There are mainly two techniques of rainwater harvesting, storage of rain water on surface for future use and recharge to ground water. Our college is located in a hilly terrain. The rain water which falls on the surface goes as storm water runoff and recharges the ground water table.

The rain water falling on the buildings are effectively collected by a system of PVC pipes and stored in a series of tanks specially constructed for this purpose. In that way we have stored around 26 lakh liters of water in an area of 40,000/- sq m. This water was collected from the roofs of lecture hall buildings. This stored water is used during summer season when there is shortage of water.

The rain water falling on the hostel buildings are effectively collected by a system of PVC pipes and stored in an underground tank specially constructed for this purpose. In that way we have stored around 15lakh liters of water. This stored water is used during summer season when there is shortage of water.

In the quadrangle of our college we have a Rain water collection pond with a capacity of 4 lakh liters. In front of the college we have two rain water collecting ponds with 2 lakh liters capacity and 20,000 liters capacity respectively. The rain water falling on a vehicle shed roof is collected and sent to a well to recharge the ground water table. The Rain Water Harvested will cater for 45 days of required water supply for the entire campus. The rain water falling on a vehicle shed roof is collected and sent to a well to

recharge the ground water table.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Students, staff using

a) Bicycles

College is located in a hilly terrain and riding a bicycle is difficult. Even then, some staff members use bicycle within the campus

b) Public Transport

Our college provides transport facilities for all students and faculty members on different routes covering more than 50 km in all directions.

c) Pedestrian Friendly Roads

Due to hilly terrain limited pedestrian walk is available within the campus. However the main approach to the college has pedestrian walk on both sides

• Plastic free campus

Our college campus is a plastic free and eco-friendly zone.

• Paperless office

In our college information is shared via e-mail / whatsapp / sms, thus saving time and expenses for academic and other processes.

• Green landscaping with trees and plants

The institution is located in a sprawling campus with greenery in and around the campus. The institution takes more efforts to monitor the up-keep and maintenance of the campus.

- It is encouraged to maintain the trees and flower plants in the campus.
- The institution has different associations like NSS and Go Green Club, which organize tree plantation drives.
- Recycled water is used for maintaining green campus.
- The college has ensured reduction of carbon emission by installing solar panels on the roof top of each block and Solar Water Heaters in the Hostels and Canteen and by growing more trees.
- The institution regularly monitors and maintains the sanitary process, which keeps the environment clean and healthy.
- The institution has Reverse Osmosis plant for the supply of pure drinking water.
- The college does not promote the usage of plastic in day to day activities and ensure a plastic free campus
- The college encourages the staff to use e-mails and cloud storage to do away with the practice of using papers for printout.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 2.94

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
21.12	42.19	11.83	20.65	47.07

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities

2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 5

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	1	1	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)**Response:** 29

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	6	4	9	0

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12**Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response:** Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website**Response:** Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics**Response:** Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions**Response:** Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**Response:** 1

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	0	0	0

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

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

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

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

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

VJEC has the policy of transparency in all its financial, academic and administrative activities.

Financial:

All financial transactions are done through bank receipts and bank payments only. Students and parents are provided with clear breakup of all the fee components at the beginning of each academic year.

Management scholarships to students, awards to the staff for achieving academic excellence are well informed through online communication.

Audit reports are uploaded in college web site and can be downloaded by any one.

Academic:

Test marks and class attendance of students are updated in the CMS (Spaneos), same can be viewed by all

parents and students. Regular interaction with parents of weak students is done to explore possibilities for improvement.

All the test answers scripts are given to the students by the respective staff with duly giving academic advice to improve their marks.

HOD meeting are conducted once in a week. Decisions taken during the HOD meetings are forwarded to all the faculty members.

Administrative:

Administrative information and orders are circulated online to the staff.

Achievements of the staff are appreciated in the staff meetings.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practices – 1

1. Title of the Practice:

Sustainability Development Initiatives

2. Objectives of the Practice:

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

3. Context

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

4. Practice

47.2 lakhs of liters of Rain water (RW) is stored. Solar farm & roof top solar panels provide 52kW power supply. Solar water heaters are used in hostels. Bio-gas plant uses waste from kitchen and mess halls as fuel.

Used Water from kitchen, hostels are sent to waste water treatment plant. Effective system to collect the waste. Plastic free zone.

5. Evidence of Success

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

6. Problems Encountered and Resources Required

Frequent maintenance of RW storing tanks. Periodically cleaning of solar panel surfaces. Dedicated team to maintain greenery in campus. Difficult to create awareness about “3R’s” of Environmental Sustainability among students and staff.

Best Practices –2

1. Title of the Practice:

Concurrent Employment Enhancement Programme

2. Objectives of the Practice:

Increase employment opportunities for final year students. Train on current industry practices, beyond syllabus. Help students to acquire additional job specific skills, industry relevant certifications. Develop self confidence in student’s for employment

3. Context

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

4. Practice

Course fee is collected by the trainer from joining students. HOD helps to conduct the course. Company signs a MOU. Department and trainer discuss with student’s parents. Trainer gives syllabus, class schedule and conduct the course in the college. After completion of course, company will arrange for employment. The last fee instalment is paid after employment only.

5. Evidence of Success

Courses offered are volunteered by students. Students opting for course increase every year. Good feedback from students. Students initiate additional courses. Parents express a satisfactory opinion about additional course. Student welcome parallel learning.

6. Problems Encountered and Resources Required

Joining the course is restricted by the financial component involved. Using college resources affects the regular class. Changing resource persons hinders the continuous learning. Difficulty in getting last instalment of fees from student. Students find difficulty in parallelly managing regular course work and training course work.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Centre of Excellence in a Rural Area:

Our college is located in Eruvacherry Village and Panchayath, Taliparamba Taluk, Kannur District, Kerala. Within a radius of 30 km, we don't have any other engineering college.

Our college is the brain child of the Catholic Archdiocese of Thalassery, started in the year 2002 with an aim to serve the rural society. During inception, college had 3 B.Tech. degree programmes and presently it offers 6 B.Tech. and 6 M.Tech. programmes with an approved yearly intake of 684 students, with a total approximate strength of 2450 students.

We are affiliated to A P J Abdul Kalam Technological University, Kerala and approved by AICTE, New Delhi and has 2 NBA accredited B.Tech. programmes (CSE & EEE). We are having PhD programmes in 4 departments. We have a very good infrastructure facility to satisfy the norms and conditions of the affiliating, approving and accrediting professional bodies.

We have about 20% of students from rural area and our college bus operates to a radius of 60 km from our college. Scholarships from Government for meritorious, BC, MBC, SC&ST is being distributed to eligible students. Our college management also offers scholarships for needy students from rural area to encourage them to complete their engineering education.

Each department has their own department associations student chapter and affiliation from their respective National, International Professional associations, societies and institutions. This gives an opportunity to expose our students to their activities and become a part of them. This creates a good professional attitude in students and increases their employment possibilities.

A good solar field, solar water heaters for hostels, a bio gas plant, an excellent rain water harvesting and storing system, an efficient water treatment plant, a hygienic water purification unit, a pleasant greenery environment in 2/3 area of the campus, well maintained as a part of the Environmental Sustainability

development procedures in our campus.

A group of mechanical engineering students self-manufactured a motor vehicle known as an All-Terrain Vehicle (ATV). This is a part of their academic project. This vehicle participated in the BAJA Student India race in Noida and in the Enduro Student India 2017 race at Coimbatore in January 2017. Participated in the International race of such vehicles organized by the U.S. Society of Automobile Engineers (SAE) during June 2017, in Illinois, USA. We were the only participant from Kerala and one among the 3 Indian Teams. This type of ATV is used for beach sports. This shows the encouragement for students innovativeness and the support by the college for such learning based activities

Kerala State Renewable Energy Commendation Certificate 2017, was awarded to our college in 2017 for the achievements towards the utilization of Renewable Energy.

Office bearers of EEE student chapter went to USA, to receive the Best Student Chapter award.

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

- All the students are directed to obtain the Business English Certification (BEC), awarded by Cambridge University U.K. and prepare them by providing adequate Language training. Till June 2018, 247 students have cleared this exam with 6 students have awarded with higher grades. Institute has been certified as Center for Cambridge English Qualifications Preparation.
- Vimal Jyothi joins in hand with ALS Satellite Education Pvt. Ltd. (<http://www.alssatedu.com/>) which is one of India's premier IAS training institutes.

Courses Offered:

1. 3 Year Integrated IAS Foundation Programme Live Batch
2. GS [Main-Cum-Prelim] Morning Live Batch
3. GS [Main-Cum-Prelim] Evening Live Batch
4. GS [Main-Cum-Prelim] Weekend Live Batch
5. Optional [Geography/Public Administration] Live Batch

- IEEE college chapter achieved many awards for their distinguished service
- In partnership with Infosys Technologies Ltd, the institute initiated Campus Connect program aiming at deepening the industry-academia bonds and building a strong foundation for the future needs of IT industry.
- Kerala State Renewable Energy award has been granted to the college for the various renewable energy activities.

Concluding Remarks :

VJEC has been established with a goal to generate ardor of Engineering and technology to the students of rural areas and prepare them to be energetic, dynamic and quality engineers. Since its inception in 2002, VJEC is being continued to be a center of excellence and serving both the industry and society by producing engineers of higher standards. The institution aims to produce entrepreneurs through IEDC and thus bring innovations in technology. VJEC established Green Renewable energy in the form of Solar to meet the requirements of the campus. To conclude, VJEC is committed to serve the society and industry through brightest minds.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Number of certificate/diploma program introduced during the last five years</p> <p>1.1.2.1. Number of certificate/diploma programs introduced year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2</td> <td>2</td> <td>1</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	5	2	2	1	0	2017-18	2016-17	2015-16	2014-15	2013-14	3	0	1	1	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
5	2	2	1	0																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
3	0	1	1	0																	
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>10</td> <td>3</td> <td>3</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6</td> <td>0</td> <td>2</td> <td>1</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	6	10	3	3	1	2017-18	2016-17	2015-16	2014-15	2013-14	2	6	0	2	1
2017-18	2016-17	2015-16	2014-15	2013-14																	
6	10	3	3	1																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
2	6	0	2	1																	
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>1.2.1.1. How many new courses are introduced within the last five years</p> <p>Answer before DVV Verification : 408</p> <p>Answer after DVV Verification: 245</p>																				
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 22</p> <p>Answer after DVV Verification: 4</p>																				

1.3.3	<p>Percentage of students undertaking field projects / internships</p> <p>1.3.3.1. Number of students undertaking field projects or internships Answer before DVV Verification : 497 Answer after DVV Verification: 204</p>																														
2.1.2	<p>Average Enrollment percentage</p> <p>(Average of last five years)</p> <p>2.1.2.1. Number of students admitted year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="308 629 1046 763"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>457</td> <td>471</td> <td>460</td> <td>498</td> <td>447</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 842 1046 976"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>461</td> <td>474</td> <td>461</td> <td>498</td> <td>447</td> </tr> </tbody> </table> <p>2.1.2.2. Number of sanctioned seats year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="308 1055 1046 1122"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	457	471	460	498	447	2017-18	2016-17	2015-16	2014-15	2013-14	461	474	461	498	447	2017-18	2016-17	2015-16	2014-15	2013-14					
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461	474	461	498	447																											
2017-18	2016-17	2015-16	2014-15	2013-14																											
2.3.3	<p>Ratio of students to mentor for academic and stress related issues</p> <p>2.3.3.1. Number of mentors Answer before DVV Verification : 92 Answer after DVV Verification: 102</p>																														
2.4.2	<p>Average percentage of full time teachers with Ph.D. during the last five years</p> <p>2.4.2.1. Number of full time teachers with Ph.D. year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="308 1559 1046 1693"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>13</td> <td>11</td> <td>3</td> <td>3</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1771 1046 1906"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>13</td> <td>8</td> <td>2</td> <td>2</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	14	13	11	3	3	2017-18	2016-17	2015-16	2014-15	2013-14	14	13	8	2	2										
2017-18	2016-17	2015-16	2014-15	2013-14																											
14	13	11	3	3																											
2017-18	2016-17	2015-16	2014-15	2013-14																											
14	13	8	2	2																											
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p>																														

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1	5	0	1	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	0	00	0

2.6.3 Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 220

Answer after DVV Verification: 1891

2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution

Answer before DVV Verification : 395

Answer after DVV Verification: 2113

Remark : As per the data in 2.3 and the statement f the HEI in response.

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
0.13	5.2	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5.0	00	0	0	0

3.1.2 Percentage of teachers recognised as research guides at present

3.1.2.1. Number of teachers recognised as research guides

Answer before DVV Verification : 5

Answer after DVV Verification: 04

Remark : As per the HEI attached data only FOUR faculty members are recognised as research guides at present. The HEI did not provide approval letter of Dr Binny Joseph.

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years
 Answer before DVV Verification : 4
 Answer after DVV Verification: 01

3.1.3.2. Number of full time teachers worked in the institution during the last 5 years
 Answer before DVV Verification : 150

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

3.2.2.1. Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years
 Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
23	37	27	22	26

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	01	00	00

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer before DVV Verification : Yes
 Answer After DVV Verification: Yes

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

3.3.3.1. How many Ph.Ds awarded within last five years
 Answer before DVV Verification : 0

3.3.3.2. Number of teachers recognized as guides during the last five years
 Answer before DVV Verification : 5
 Answer after DVV Verification: 5

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years
 Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

6	17	7	2	3
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Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	14	7	2	3

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	3	3	2	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	00	00	00

3.4.3 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 last five years

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., year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	5	11	20	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3	6	13	19	1

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
345	212	392	409	125

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
210	100	59	54	125

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
31	19	14	11	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
22	14	13	11	2

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	3	3	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	01	00	02

4.2.6 Percentage per day usage of library by teachers and students

4.2.6.1. Average number of teachers and students using library per day over last one year

Answer before DVV Verification : 150

Answer after DVV Verification: 85

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
63	08	11	45	73

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
63	8	11	45	73

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1539	1505	1511	1479	1374

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
313	389	388	370	132

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
740	910	897	793	302

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
359	114	181	55	0

5.2.2	<p>Percentage of student progression to higher education (previous graduating batch)</p> <p>5.2.2.1. Number of outgoing students progressing to higher education Answer before DVV Verification : 19 Answer after DVV Verification: 03</p>																														
5.2.3	<p>Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)</p> <p>5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 707 1046 842"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5</td> <td>2</td> <td>3</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 920 1046 1055"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5</td> <td>2</td> <td>3</td> <td>0</td> </tr> </tbody> </table> <p>5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 1133 1046 1200"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	1	5	2	3	0	2017-18	2016-17	2015-16	2014-15	2013-14	1	5	2	3	0	2017-18	2016-17	2015-16	2014-15	2013-14					
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2017-18	2016-17	2015-16	2014-15	2013-14																											
5.3.1	<p>Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.</p> <p>5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 1518 1046 1653"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>4</td> <td>3</td> <td>4</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1731 1046 1865"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	4	3	4	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	00	00	00										
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0	0	4	3	4																											
2017-18	2016-17	2015-16	2014-15	2013-14																											
0	0	00	00	00																											
5.3.3	<p>Average number of sports and cultural activities/ competitions organised at the institution level per year</p> <p>5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level</p>																														

year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	7	10	8	9

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	3	3	3

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
14	27	17	03	02

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
14	23	13	03	02

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
06	14	8	11	8

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
06	11	8	11	8

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation

Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
55	102	85	58	03

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
49	37	43	19	01

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7.75	2.72	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
9.55	10.53	10.03	7.72	3.42

Remark : As per the attached data with the Metric in response.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	5	6	8

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	4	6	8

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual

Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements

2. Academic Administrative Audit (AAA) and initiation of follow up action

3. Participation in NIRF

4. ISO Certification

5. NBA or any other quality audit

Answer before DVV Verification : A. Any 4 of the above

Answer After DVV Verification: A. Any 4 of the above

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	1	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	1	0	0

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : C. At least 4 of the above

Answer After DVV Verification: C. At least 4 of the above

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

2	2	1	1	0
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Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	1	1	0

7.1.11	<p>Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)</p> <p>7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>16</td> <td>10</td> <td>10</td> <td>9</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>6</td> <td>4</td> <td>9</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	22	16	10	10	9	2017-18	2016-17	2015-16	2014-15	2013-14	10	6	4	9	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
22	16	10	10	9																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
10	6	4	9	0																	
7.1.15	<p>The institution offers a course on Human Values and professional ethics</p> <p>Answer before DVV Verification : Yes</p> <p>Answer After DVV Verification: Yes</p>																				
7.1.17	<p>Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years</p> <p>7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>11</td> <td>10</td> <td>10</td> <td>8</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	11	11	10	10	8	2017-18	2016-17	2015-16	2014-15	2013-14	1	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
11	11	10	10	8																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
1	0	0	0	0																	

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the institution across all programs during the last five years</p> <p>Answer before DVV Verification : 759</p> <p>Answer after DVV Verification : 463</p>																				
2.3	<p>Number of outgoing / final year students year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>417</td> <td>384</td> <td>390</td> <td>392</td> <td>317</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>458</td> <td>416</td> <td>452</td> <td>444</td> <td>343</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	417	384	390	392	317	2017-18	2016-17	2015-16	2014-15	2013-14	458	416	452	444	343
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