



STRATEGIC PLAN AND IMPLEMENTATION DOCUMENT

1. Introduction

Viswajyothi College of Engineering and Technology (VJCET) has a well-defined Strategic plan to develop the institution in all areas in a systematic manner. VJCET is always keen on realising its Vision and Mission and to develop the institution into a Centre of Excellence of International Standards. VJCET help and support the students in their personal growth and in shaping them into mature and responsible individuals.

In order to accomplish the vision VJCET has strong Strategic plans which includes:

- Improving the teaching-learning process
- Enhancing the industry institute interaction
- Rendering successful entrepreneurs
- Providing personality development programs for students
- Achieving placement in reputed establishments
- Implementing e-governance in all areas
- Encouraging R & D by faculty and students
- Developing the campus to a clean and green one
- Implementing welfare measures for faculty members
- Other initiatives of the institution

2. Improving the teaching-learning process

To enhance the quality of education Internal Quality Assurance Cell (IQAC) was established in VJCET on 15/7/2015. The Internal Quality Assurance Cell gives advice and guidelines to the administration to maintain high quality work in academics and administration. The cell monitors the quality aspects of all the academic and non-academic activities of the institution. IQAC takes initiative to mould our students to become industry oriented and ready to face real world problems. The cell also works on various accreditation aspects. Reforms in teaching learning process facilitated by IQAC are effectively implemented in VJCET.

IQAC activities are coordinated by following committees with well defined responsibilities.

- The Students Assessment Record Monitoring Cell
- Test & Retest Monitoring Cell



- Attendance Monitoring Cell
- Course File & Lab Manual Monitoring Cell
- IIC and IEDC
- Exam Cell
- Academic Advisory Committee
- Research & Faculty Development Cell
- Placement Cell
- Student Disciplinary Cell
- NPTEL, Spoken Tutorial & Guest Lecture Monitoring Cell
- Feedback Cell
- Students Grievances and Ethics Monitoring Cell
- Library Committee
- Project Monitoring Cell

IQAC convenes regular meetings of the 15 Criteria during the academic year for ensuring proper running of the systems and procedures developed for quality sustenance. Annual planning and review meetings, discussions are organized by the IQAC for effectively aligning the activities of the institution to its vision and mission.

2.1 Students Assessment Record Monitoring Committee

Responsibilities of the Committee

- a) Verification of Faculty Diary for the following:
 - Attendance Entry,
 - Class and Series Test Marks,
 - Syllabus Coverage,
 - Identification of Slow Learners and above average performers
 - HOD Authentication
- b) Verification of Assessment & Tutorial Sheets
- c) Checking Course plan and delivery
- d) Submission of report to the IQAC in the prescribed format



2.2 Test and Retest Monitoring Committee

Responsibilities of the Committee

- a) Verification of Invigilator Availability in the Examination Hall
- b) Collecting Absenteeism Report and record actions taken
- c) Monitoring Retest as per Schedule and Timings.
- d) Assessment of Question Paper Format and Syllabus Coverage.
- e) Submission of report to the Academic Coordinator in the prescribed format.
- f) Documenting invigilators list, schedule and timetable
- g) Consolidated marks statements
- h) list of failures along with the actions taken
- i) Submission of report to the IQAC in the prescribed format.

2.3 Attendance Monitoring Committee

Responsibilities of the Committee

- a) Verification of Master Attendance in Automation once in month.
- b) Collecting Long Absenteeism List.
- c) Verification of Shortage of Attendance and Issue of Warning Letters.
- d) Collecting Monthly Cumulative Attendance Report.
- e) Review of Shortage of Attendance with HoD & Principal.
- f) Submission of report to the IQAC in the prescribed format.

2.4 Course File and Lab Manual Monitoring Committee

Responsibilities of the Committee

- a) Verification of Course files as per NBA Format
- b) Verification of Lab Manuals with Additional Experiments.(open ended, advanced etc)
- c) Submission of report to the IQAC in the prescribed format.

2.5 Student Disciplinary Committee

Responsibilities of the Committee



- a) Ensuring maintenance of good student discipline and provide proper amenities for student wellbeing on the campus
- b) Department wise discipline report
- c) event wise discipline report
- d) Proper conduction of discipline committee meeting and recording minutes.
- e) Conducting various college and department level enquires for disciplinary issues and preparing reports.
- f) Proper functioning of anti ragging cell
- g) Create awareness among students about the negative effects / disciplinary actions of ragging in the campus
- h) Submission of report to the IQAC in the prescribed format.

2.6 Project Monitoring Committee

Responsibilities of the Committee

- a) Verification of all External Projects and their company, progress report
- b) Monitoring Student- Guide Contact hours.
- c) Submission of report to the Academic Coordinator in the prescribed format.
- d) Encourage and help students to convert their project into quality technical articles
- e) Compile and catalogue students research articles.
- f) Submission of report to the IQAC in the prescribed format.

2.7 NPTEL, Spoken Tutorial & Guest Lecture Monitoring Committee

Responsibilities of the Committee

- a) Ensure that maximum NPTEL/ Spoken Tutorial resources and included in the programme curriculum
- b) Keep track of all NPTEL/ Spoken Tutorial activities.
- c) Record (Audio/video) and document of all the guest/visiting/Expert lectures conducted in department and arrange required lectures for students as per gaps identified
- d) Submission of report to the IQAC in the prescribed format.



2.8 Feedback Committee

Responsibilities of the Committee

- a) Should take online faculty feedback and facilities feedback at the beginning and at the end of the semester from the students.
- b) Should take employer, alumni feedback and exit surveys whenever necessary.
- c) Feedbacks are reviewed with the concerned Heads and Principal to council the faculty in strengthening their performance.
- d) Preparation for consolidate department wise report.
- e) Submission of report to the IQAC in the prescribed format.

2.9 Exam Cell

Responsibilities of the Committee

- a) Document the following and submit to the IQAC coordinator
 - Examination notices received from University
 - Circulars for students regarding Exam Fee Collection, the last date of fee Collection, modalities of payments of fine
 - Examination Time table, Invigilation duty chart, seating plans for the students
 - Result analysis
 - Disciplinary issues and corrective actions
- b) Examination Cell keeps all records pertaining to examinations.
- c) Examination Cell staff addresses grievances of administration, faculty, staff and students on all examination related issues.
- d) Report any issues and suggestions to IQAC in the prescribed format.

2.10 Academic Advisory Committee

Responsibilities of the Committee

- a) Identifying and checking the major student learning outcomes, identifying appropriate assessment methods/strategies to measure learning outcomes at the program level



- b) Monitoring and documenting opportunities provided for students to actively demonstrate their knowledge, skills/abilities, values and development at the program level
- c) Supervising program level assessment data collection, analysis and interpretation relative to students' ability to achieve the learning objectives
- d) Evaluating major student learning outcomes assessment and making recommendation for strengthening major student learning outcomes assessment
- e) Devising strategies for using assessment results to improve student learning, courses, programs, and services
- f) Ensuring that feedback from program level assessments is provided to students and other stakeholders
- g) Ensure that department wise PAC and DAC meetings are scheduled and conducted as per schedule.
- h) Monitor department wise CO-PO-PSO mappings and Justification
- i) Monitor activities with respect to NBA C2, C3, C7 and C8 attainment, target fixation and gap identification.

2.11 Library Committee

Responsibilities of the Committee

- a) Recommends instructional hardware and software for library.
- b) Recommends any furniture, assistive devices, or other materials that would enhance the quality of the library.
- c) Recommends guidelines on materials in all formats for publications, such as bibliographies and instructional materials, tutorials, journals and new materials to HoDs for Purchasing.
- d) Prepares monthly report on library usage (total and department wise).
- e) Reviews budget proposals for books, journals, materials and equipment needed to further the library's educational endeavours.
- f) Update the books inventory, damaged books inventory and lost books inventory file.
- g) Submission of report to the IQAC in the prescribed format.



2.12 Students Grievances And Ethics Committee

Responsibilities of the Committee

- a) Provide a platform for students to address their grievances
- b) Ensure transparency of the system
- c) Compile and process the grievances and forward it to the principal
- d) Convey the decision from the principal to the concerned students.
- e) Collect report form department mentoring in-charges and report for anomalies
- f) Conduct classes on professional and academic/ student ethics per semester
- g) Ensuring proper students grievances for student wellbeing on the campus

2.13 Outcome Based Education (OBE)

OBE focuses on the knowledge, skills and attitude of the graduates as the most important aspect of education.

Accredited by NBA, which emphasise OBE. The frame work consists of:

- Preparing the various programs to achieve the vision of the institute through involvement of all stakeholders.
- As the OBE system is in practice, all the quality improvement strategies proposed by the different academic bodies in the institute are well implemented.

3. Enhancing Industry Institute Interaction Cell (IIIC)

The activities of IIIC include industrial visits, Technical Talks and interactive sessions with Industry Experts, Alumni and conducting various Workshops. To extend the interaction further, International Industry Institute Collaboration was also constituted in VJCET. Collaboration was established with Senior Experten Service (SES) Germany and experts are visiting VJCET periodically.

With vision of sharing intellectual social responsibility, VJCET has joined as a member of United Nations Academic Impact (UNAI) and started ASPIRE student chapter.



4. Rendering Successful Entrepreneurs

Rendering Successful Entrepreneurs is one of the strategic plans successfully implemented in the institution. With the aim of increasing practical capability of the students, the college has developed:

Innovation and Entrepreneurship Development Centre (IEDC): IEDC helps students to participate in various state level competitions held by Kerala Start- Up Mission (KSUM)

Viswajyothi Business Incubation Centre (V-BIC): In V-BIC, Start-up companies of students, faculty members, alumni, technically and professionally qualified youngsters are functioning for business incubation.

Responsibilities of the Committee

- a) Organizing Effective Youth Entrepreneurship programs
- b) Identification of training and development needs of students.
- c) Documenting policies and guidelines regarding In plant training/ Internship for pre-final year students
- d) Documenting policies and guidelines regarding Industrial/ Professional Tour
- e) Guidance for Higher Studies in India or Abroad
- f) Prepare consolidated reports
- g) Submission of report to the IQAC in the prescribed format.

5. Providing personality development programs for students

VJCET focuses on the overall improvement of students and provide them a platform to showcase their capability and help them to earn the desired career.

Professional bodies of the institution includes;

- Indian Society for Technical Education (ISTE)
- Institute of Electrical and Electronics Engineers (IEEE)
- Computer Society of India (CSI)
- Institution of Electronics and Telecommunication Engineers (IETE)
- Society of Automotive Engineers (SAE)
- Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
- Indian Green Building Council (IGBC)
- Society of Energy Engineers and Managers (SEEM)



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vjcet@vjcet.org
www.vjcet.org



Technical cells are;

- Innovation and Entrepreneurship Development Cell (IEDC)
- Viswajyothi Business Incubation Centre (VBIC)
- Industry Institute Interaction Cell (IIIC)
- United Nations Academic Impact (UNAI) & Action by Students to Promote Innovation and Reform through Education (ASPIRE)

Non-Technical Clubs

- Nature Club
- Photography Club

The college has a dedicated **Physical Education Department** which gives ample opportunities for the students to showcase their talents in sports. **Outdoor courts** and a **multipurpose stadium** are available for various sports activities. Students participate regularly in different sports events and have won several championships.

The annual sports event of the college '**DRONA**' gives the students the right opportunity to explore their talent. Interdepartmental competitions give exposure for students as well as staff members to engage in various sports events.

Outdoor Sports Facilities

- Football
- Cricket
- Volleyball
- Basketball
- Badminton

Indoor Sports Facilities

- Badminton
- Table Tennis
- Chess
- Caroms

The college has **individual teams** in men's basketball, cricket, football and badminton and women's badminton. The college conducts a state-level Basketball Tournament "MAGNUM" by mid of February every year



Cultural Activities

The college has a **Cultural Committee** headed by a Cultural Coordinator assisted by faculty members and students. Various intercollegiate and intra-departmental competitions are held to provide a creative outlet for students to exhibit their artistic talents. The college has an active **College Band**.

‘**DRISHYA**’ is the arts festival of the college conducted every year to promote and showcase talents of students in all cultural areas.

‘**BODHI**’ is the technical festival conducted every year, which gives a platform to showcase technical expertise of student community. The festival gives a good technical exposure to own students of the college as well as a large outside fraternity through technical events such as technical talks, workshops, seminars and expos.

6. Achieving placement in reputed establishments

Placement Promotion Activities of VJCET focuses on the overall improvement of students and provide them a platform to showcase their capability and help them to earn the desired career.

The training programs are:

- Aptitude Training is given from first year onwards which helps them to improve their quantitative, reasoning and logical skills which in turn results in clearing the recruitment oriented test and common entrance tests.
- Soft skills training helps to groom interpersonal skills.
- Company specific mock tests and interviews are arranged for students before they attend the recruitment.

Alumni are invited to campus to motivate the students and to make them aware about the industry trends, which helps to upgrade their technical knowledge with the needs of industry.

6.1 Placement Committee

To inculcate a professional culture in students and to groom them ‘industry-ready’; a dedicated Placement & Training Cell (PTC) organizes regular co-curricular programs on Aptitude and soft skill development and imparts technical trainings

Each class has two representatives in Placement Committee who interact with the students on a regular basis. A placement liaison officer monitors the activities of the PTC and suggestions from students are incorporated in training sessions.



Responsibilities of the Committee

- a) Updating student placement record file.
- b) Ensure steps to conduct mock interview and personality tests for the final year students.
- c) Conducting various Career Fairs.
- d) Conducting various soft skills, aptitude skills and language training sessions.
- e) Submission of report to the IQAC in the prescribed format.

7. Encouraging R & D by faculty and students

Which promotes research propensity among staff and students.

Responsibilities of the Committee

- a) The Research and Development Committee shall encourage faculty and students to pursue their research plans by submitting research proposal to various agencies and scientific laboratories.
- b) Ensure timely and proper publishing of the biannual research journal- Technology and future.
- c) Establishment and proper functioning of FAB Lab and Project Labs.

8. Implementing e-governance in all areas

VJCET has implemented e-governance in areas of operations such as;

- a) Administration
- b) Finance and Accounts
- c) Student Admission and Support
- d) Examination

Viswajyothi College of Engineering and Technology is well equipped with IT infrastructure facility. Institution frequently updates its IT facilities including Wi-Fi, Computer Systems, and other IT related equipment.

- The institution has Wired Network (VJCET) and Wi-Fi Network (VJCNET). The college has two internet leased line connections, BSNL 100 Mbps 1:1 and Asianet 155 Mbps 1:1.
- The Institution has complete LAN and Wi-Fi environment accessible to staff and students to get easy connectivity to the Internet.



- The college is equipped with seven different servers and two storage servers in the campus. The servers are Domain Controller Server, Backup Domain Controller Server/Automation Server, Digital Library Server, Antivirus Server, Automation Backup Server, License/Tally Server, and Database Server. One Storage Server (NAS) (configured with RAID 6 and a hot spare). One more NAS server is for CCTV camera Data. All the servers except storage servers are configured with RAID 5.
- The college has a centralized domain authentication with centralized data storage for data backup system.
- All the Laboratories, Administrative Office, Hostels and Main Areas are connected through fiber Star Topology Network with 98 network switches. Among these 36 are Gigabyte web manager switches and 55 are Gigabyte unmanaged switches. 4 POE Gigabyte web manager switches and 3 L3 fiber core switches are there in the campus.
- The Campus is having SonicWall NSA 5600 hardware firewall through which the internal network and external leased line are routed and shared to all the servers and computers.
- The campus is equipped with more than 800 desktop computers (with core i7, i5, i3 processors with 16/8/4/2 GB RAM, 1TB/500 GB hard disk with 1000/100 Mbps LAN connectivity)
- All the departments are equipped with computers and printers.
- The college has a Dynamic Website and active in social media like Facebook and Instagram.
- Bulk SMS service to communicate with parents and Alumni.
- College has licensed version of G-suite and Zoom
- Learning Management system Moodle, and Licensed Microsoft Teams
- Koha Library Management Software
- Admission Management Software
- Campus Agreement with Microsoft Corporation
- Total Campus Solution (TCS) software which enables the smooth functioning of the day to day activities.



9. Developing Green and Clean Campus initiatives

- a) Installation of Solar Power plants (total of 280 kWp).
- b) Rain Water Harvesting
- c) Preserving Water Bodies
- d) Sewage Treatment and Recycling Waste
- e) Each Waste to its Place
- f) Promoting Zero-Emission Vehicles
- g) Energy Saving Measures
- h) Biogas Plant
- i) Green Protocol
- j) Green Cover

VJCET being a centre of higher learning, has realised the need for sustainable growth with minimal impairment to the environment through adoption of green building principles by promoting the concepts of solar energy, rainwater harvesting, waste water treatment and water reuse. 'Net Zero Energy' building is our first step towards 'Achieving Net Zero' in the built environment in terms of Carbon, Water and Waste.

- **Wheeling to the Grid:** Solar energy is a clean source of energy with zero CO₂ emission. As a commitment to save environment, VJCET meets the requirements of electricity using grid connected solar power plants. Our average electrical energy consumption is 1900kWh/day. The average electric generation of the solar plants is around 1215kWh/day. Thus, VJCET **prevents the emission of around 420 tons of CO₂ per year.** This power plant is connected to KSEB grid.
- **Rain Water Harvesting:** The college has installed a Rain Water Harvesting (RWH) system, with
 - (i) a recharge dug well, and
 - (ii) terraced construction techniques.

Water harvested from a roof area of 1700m² (yielding about 15m³ of water per cm of rainfall) is charged to a dug well of volume 21.2m³ after filtration in a vertical sand filter; which subsequently recharges the ground water. Further, water collected from a total roof area of 4800m² is permitted to flood in levelled courtyards of each building to augment percolation through soil and recharge of ground water.

- **Preserving Water Bodies:** The total water requirement of 220m³/day is met with the help of two water sources developed and maintained with utmost care a natural pond of



3m diameter and 9m depth and a storage tank of 3 lakh litre capacity, from which water is pumped to an overhead tank of 2.5 lakh litre capacity. The water from both sources is of excellent quality in conformation with standards specified by BIS and WHO.

- **Sewage Treatment and Recycling Waste:** VJCET takes great care to recycle and reuse the water from the whole campus, including two hostels. The 25-acre campus and garden are watered using recycled water. The campus is provided with a full-fledged Sewage Treatment Plant (STP) with an installed capacity of 200m³/day, with a high-pressure sand filter and activated carbon filter handling up to 200m³/day thus maintaining a 'Zero Liquid Discharging' system. The college also has testing laboratories attached to the STP and a Water Testing laboratory under the Civil Department. Sludge from the plant serves as fertilizer for organic farming on the campus.
- **Each Waste to its Place:** To segregate all types of waste from the campus, the college has provided specialized waste bins for paper, plastic, organic and metallic wastes. Biomedical waste and solid waste are disposed in an incinerator. E-waste management from the campus is through an authorized agency. Hazardous wastes such as incinerator ash and toxic chemicals are packed, transported and handled by an authorized recycler-Kerala Environ Infrastructure Limited.
- **Promoting Zero-Emission Vehicles:** To promote electric vehicles, VJCET has provided a battery charging station for two-wheeler vehicles within the campus. This encourages a greener and cleaner form of transportation.
- **Energy Saving Measures:** The institution also practices energy saving methods like using LED bulbs, auto on/off switch, load pattern shifting during peak loads and eco-friendly design methods to reduce the usage of air conditioners.
- **Biogas Plant:** All of the organic waste generated from the college campus, canteen and hostels are transferred to the bio gas plant of capacity 15m³ which disposes off about 300kg of organic solid waste regularly. The manure and the methane gas generated are used as fertilizers and for cooking respectively.
- **Green Protocol:** VJCET practices a green protocol with a paper-less office automation system. Attendance entry of students, sessional mark entry and leave availed by the faculty are some of the features the Total Campus Solution software that minimises the use of paper in the campus.



- **Green Cover:** In conjunction with good study habits and valuable resources, clean air is essential for students. The ambient temperature is considerably reduced in the beautifully landscaped, tree-lined campus. With every room in the college having access to fresh air via windows, in-room temperatures can be maintained without the use of air-conditioners. A variety of shrubs and plants in the campus makes us feel one with nature in the lush greenery.

10. Welfare measures for faculty members are

Welfare measures initiated for faculty members are;

- a) Faculty are encouraged to participate in Faculty Development Programmes by providing grants as financial assistance and sanctioning special duty leave.
- b) Quality Improvement Programme (QIP) and sponsorship for Doctoral Research (Ph.D.) is granted for the eligible aspirants.
- c) Academic enrichment programs are conducted for the faculty. Faculty are encouraged to participate in **Faculty Development Programmes** by providing grants as financial assistance and special duty leave.

d) General Welfare Measures

- Staff are eligible for availing **casual leave** of 15 days/year and **annual vacation** of one month for a service of one full year; otherwise proportionate vacation.
- **Maternity leave** with allowances for three months and **medical leave** without service break is also granted.
- **Duty leave** of a maximum of 15 days/year is granted with full pay to the faculty for the following:
attending conferences/ seminars/ workshops, delivering invited talks, to interact with industry, accompanying students for industrial visits, to attend meetings of the university, to any other task assigned or approved by the Principal.
- **Festival allowances** are given to staff on special occasions.
- Facility for **gratuity** is there (Basic pay + DA of last month) x Number of years completed x 15/26.
- Staff welfare programs like **EPF, ESI & Medical Insurance** are available. At present, staff drawing upto Rs.15,000/ per month enjoy EPF assistance. Staff drawing salary upto Rs.21,000/- per month are beneficiaries of ESI Plan. **A group medical**



insurance under the Star Health Insurance has been implemented bringing benefits to staff and their dependents.

- **Medical consultation** facility is provided in the campus.
- **Gymnasium** for physical fitness is available in the campus.
- **College bus** facilities are available for the staff also.
- **Separate dining facility** in the canteen **and separate parking area** is provided for staff.
- **Foreign language course** (German) is available in the campus.
- **ATM** facility of SIB is also available in the campus.
- Institute being **centralized valuation camp** for Kerala Technological University; facilitates faculty to do the valuation process in the campus itself.
- For **ICT enabled** teaching, **projectors** are provided in classrooms and **desktop PCs** are allotted to each faculty. **Microsoft Teams** software is provided from the institution for conducting online classes in the current COVID-19 pandemic situation.
- **Free Wi-Fi** and **domain E-mail addresses** are provided to all staff.
- Faculty rooms are equipped with **separate cubicles** for each faculty.
- **Conference Rooms** are available for important meetings.
- **Hostel facilities** are offered to staff at a subsidized rate.
- **Library** is fully equipped with all facilities to serve the information requirements of the staff.
- **Kiosk** is available for light refreshments and **rest rooms** are available for staff also.



11. Implementing Other initiatives of the institution

11.1 An active Alumni Association for the overall development of the institution.

The VJCET Alumni Association is registered under Section 12 of The Travancore Cochin Literary and Scientific and Charitable Societies Registration act 1955, Government of Kerala. Established in 2005, VJCET Alumni Association creates and maintains a life-long connection between the college and its alumni, who number more than 6,500.

- **Alumni Chapters**

VJCET has a very committed and vibrant alumni network with six chapters centred at Kochi, Trivandrum, Chennai, Bangalore, Qatar and UAE. Alumni are the most trusted brand ambassadors of our college and VJCET remains grateful to them for their constant support.

The students who graduated from VJCET are the members of alumni association. All the members of Alumni constitute the General Body of Alumni Association. It is governed by the Executive Council appointed by the General Body. Executive Council consists of 19 members including 5 office bearers – President, Vice President, Secretary, Joint Secretary and Treasurer. Principal of VJCET is ex-officio the President of the association. The other executive Council Members are appointed by the General Body. The college maintains a dedicated office space for the Alumni Association.

The College hosts Annual meetings regularly which comprise of a formal session followed by entertainment programs and dinner. Alumni also conducts induction programs for final year students.

11.2 Very active Parent teacher interaction and PTA

Parent Teaching Association (PTA) meeting boost family involvement in the institution and help promote positive outcomes for our students.

A parent-teacher conference is a great opportunity to;

- Share academic progress and growth based on classroom observations, internal assessments and assignments.
- Discuss enrichment or intervention strategies to support students' learning.
- Discuss issues that may be interfering with students' learning and growth.

PTA meetings are conducted for each class, once in every semester, after conducting the test for internal assessment. Followed by the general meeting, interaction of parents with



faculty handling the subjects are conducted. A copy of the mark sheet of internal assessment test and the analysis of end semester examination of the previous semester are also distributed to parents. Parents are informed about their ward's ability levels or grade levels in different content areas, based on result analysis. High Tea is served during interaction and feedback is also taken from parents as a means for continuous improvement.

12. Infrastructure and physical facilities

The college, established in the year 2001 is located on a calm and quiet area with a sprawling campus spread over **25** acres with **45944.47 m²** built-up area comprising of all modern facilities for effective teaching- learning process. It offers 6 under graduate programmes and 4 post graduate programmes for which state of the art infrastructural facilities are provided across 5 blocks (A, B, C, D, R&D Block, Civil Block and Laboratory Block).

Classrooms Facilities:

- 45 class rooms which are ICT enabled, equipped with LCD projectors.
- All class rooms have Wi-Fi/LAN facilities to make effective teaching learning process.
- Classrooms are well-ventilated, spacious and provided with green boards, adequate furniture and public address system.
- Six seminar halls, each having seating capacity of 100 pax. With Wi-Fi/LAN and Audio Visual facilities.
- All departments have separate faculty rooms and provided with printers, intercom and desktops for each faculty.
- Examination halls are equipped with CCTV cameras.

Laboratories Facilities:

The laboratories are equipped with state-of-the-art equipment and laboratories with licensed software to conduct experiments as per the KTU curriculum.



Department wise Laboratories

Sl. No.	Department	No. of Labs
1	Civil Engineering	8
2	Computer Science and Engineering	7
3	Electrical and Electronics Engineering	6
4	Electronics and Communication Engineering	9
5	Information Technology	4
6	Mechanical Engineering	14
7	Science & Humanities	2

Common Laboratories

Sl. No.	Common Laboratories
1	Language Lab
2	Common Computing Center
3	FAB Lab
4	R&D - Nano Materials and Smart Materials Lab, Computer Lab

Computer Facilities:

- Total of 1139 computers
- 8 servers
- Internet leased lines of 155 Mbps and 100 Mbps each.

Other Facilities:

- Viswajyothi Business Incubation Centre (VBIC), Discussion rooms, Guest rooms, VIP lounges.
- Separate rooms for IEDC, IIIC, IEEE, NSS and for various clubs and cells.
- Separate space and office for Controller of Examination and Centralized University Valuation.



- Two auditoriums, Main auditorium of 802.22 m² with Capacity of 1500 pax and Mini auditorium of 293.48 m² with capacity of 250 pax.
- R&D Seminar Hall and Conference hall.
- Ramps and sanitary facilities for the benefit of PwDs.
- Canteen, cafeterias and transportation facilities with 19 buses for students and staff.
- Water filters and coolers in each floor of all blocks.
- Reprographic Centre and bank ATM.
- Special room for medical and counselling centre.
- Boy's and Girl's hostels.
- Separate rest rooms for boy and girl students.
- UPS, indoor diesel powered generators, on grid solar power generation.

13. Scholarship to Eligible students.

Students are benefited by scholarships provided by the Government, Non-Government agencies and the institution.

Sl. No	Name of the Scholarship	Beneficiary	Scholarship Amount (per Annum)
1	Central Sector	General Category	Rs.10000/-
2	E Grants	OEC/SC/ST/Fishermen	Full Fee (Tuition+Hostel+Exam)
3	Merit Cum Means	Minority Christian Muslim	Day Scholar-Rs 25000/- Hosteler-Rs.30000/-
4	Pragathi Scholarship	Girls	R.50000/-
5	Prime Ministers Scholarship	Defence Personnel/ Ex Service Man	RS.35000/-



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vjcet@vjcet.org
www.vjcet.org



Scholarship Amount Aailed	
2018-2019	Rs.63,25000
2019-2020	Rs.58,69,440
2020-2021	460 Nos. application verified &forwarded for approval

14. Conclusion

As a result of the effective strategic plans, the outgoing graduates of VJCET are competitive enough to get immediate employment by cracking campus placements or national level tests. Also they become capable enough to pursue higher studies or entrepreneurship activities. All these efforts help VJCET to accomplish the Vision, **"Moulding Professionals par Excellence with Integrity, Fairness and Human Values"**