



ANNUAL REPORT 2023-24

It is with immense pleasure that I present the Annual Report of activities of our college for the academic year 2023-2024.

Viswajyothi College of Engineering and Technology (VJCET) is an AICTE-approved institute affiliated with APJ Abdul Kalam Technological University. The college offers 8 B.Tech. programs, a BHMCT program, 3 M.Tech. programs, and a postgraduate program in Management Studies. VJCET is committed to elevating the academic and professional competence of its students, in alignment with the Vision and Mission of the Institution.

The activities for the academic year 2023-2024 commenced on August 3, 2023. Classes for first-year students began on September 7, 2023, with a Holy Mass celebrated by the Manager, Msgr. Dr. Pius Malekandathil. To begin the academic year on an optimistic note, the college hosted a one-week orientation program for first-year students, as per the KTU directives.

The college has a total strength of 1,759 students, of which 519 students were newly admitted during this academic year. Thirty-six new faculty members joined the service during this period, while 36 faculty members were relieved from service, bringing the total strength of the teaching faculty to 147. 5 technical staff members joined the institution during this period, and 1 was relieved from service, making the current strength 52 of technical staff.

University Examination Results

Viswajyothi College of Engineering and Technology has consistently maintained excellent performance in University Exams since its inception in 2001. The college secured the 14th position among the engineering colleges of KTU in the state of Kerala and the 4th position among self-financing colleges for the pass percentage of the B.Tech 2020-24 batch. The overall pass percentage stands at 70.44%.

The pass percentages for each department are as follows:

- Artificial Intelligence & Data Science – 84.44%
- Civil Engineering – 72%
- Computer Science and Engineering – 80.99%
- Electronics and Communication Engineering – 71.88%
- Electrical and Electronics Engineering – 47.83%
- Information Technology – 56.10%
- Mechanical Engineering – 41.94%
- MBA – 91.25%

Academic Initiatives

The college has consistently made strenuous efforts to strategically plan and implement new systems that align with students' needs. The Academic Performance Monitoring Committee



(APMC) was established, with members from each department. This initiative was conceived with the aim of developing, implementing, and promoting a methodology to improve the academic performance of students. The APMC members monitor the scores of each student in the university exams, categorize their performance levels, and assign faculty members to facilitate remedial actions. The progress is continuously tracked and reported. Additionally, each student is provided with a "CGPA Calculator," which allows them to track and plan their academic grades in advance.

Student Achievements

Throughout the academic year, our students actively engaged in a wide range of competitive events at both regional and national levels, earning notable recognitions. They also demonstrated their commitment to learning by enrolling in and successfully completing internships and online courses offered by esteemed institutions in India and abroad. Among the many accomplished students, here are a few prominent highlights:

Krishnadev P. Melevila (S6 AD) reported a Cross-Site Scripting vulnerability on NASA's systems and was recognized in their Hall of Fame, while Jebin Shaju (S6 AD) advanced to the beta stage of the Microsoft Learn Student Ambassador (MLSA) program.

The Mechanical Engineering Department celebrated national competition success with Abin Joseph Joby, Ashik Asok, Nandakishor S, and Emmanuel Lejoy (S6 ME) securing All India Rank 3 in drag racing at the Autosports India Mega ATV Championship. S2 ME students Delton Joy, Fenuel Reji, and Habel Baby won first place in the Bike Engine Assembly Competition.

MBA students excelled in external events, with S1 students winning the Treasure Hunt at Santhigiri Institute's "Impulso 3.0," S3 students shining in the Marketing Game at Marian Institute's "Caligo 2023," and Ms. Athulya Mohan securing first place in the State-Level Research Methodology Presentation at Mount Carmel College.

In the Hotel Management Department, students baked 300 kg of rich plum cake for the campus community, and five students participated in a 24-day Formula 1 Grand Prix experiential internship in Qatar in September 2023.

These accomplishments highlight the diverse talents and competitive spirit fostered at VJCET.

Placements

A total of 300 offers were received from 43 companies for 318 engineering students. The highest offer was for Jessy Willy and Ameer Navas of S7 CSE & ECE, who were selected as Software Engineers at Litmus 7, with a salary package of 8 lakhs per year.

The major recruiters were: Qvantel, Incture, Prudent Technologies, TCS, 6D Technologies, Accabes, Accenture, Akshaya Constructions, Apollo Tyres, Armia Systems, Cadence, DGS, Digital Core, Electricfex, Envestnet, Experion, Feather Soft Technologies, Fingent, G10X,



Infosys, Innovature Lab, Litmus 7, Mitsogo, Pix Dynamics, PKJ Technologies, Probeplus, Prudent Technologies, RDC, Rephaiah Projects Pvt. Ltd, South Indian Bank, Sutherland Global, Think-Palm, Turbo Labs, UST, and Xerox.

Programs

The Student Council, under the chairmanship of Jishnu Baiju, assumed office on 26th October 2023 following elections held on 18th October 2023. Since its inception, the council has worked tirelessly to cultivate a vibrant campus culture and enhance student engagement.

The year's journey began with the union inauguration and ethnic day celebration, 'Vyuha', on 15th November 2023, followed by the Christmas event, 'Faire Le Fête', on 22nd December 2023. The council organized key events, including the inter-collegiate technical fest, 'Bodhi', held on 28th and 29th February 2024, inaugurated by Mr. Vinoy Valyath, and the arts fest, 'Drishya', on 1st March 2024, graced by actress Ms. Aditi Ravi. The annual sports meet, 'Drona', held on 6th April 2024, saw enthusiastic participation from students, showcasing their athletic spirit.

In a bid to promote mental health and wellness, the 'Swastha' Student Wellness Club was launched on 22nd August 2024. On 13th September 2024, the Onam celebrations, 'Melam 24', added festive cheer to the academic year. The tenure concluded with the grand Christmas celebration, 'Faire Le Fête 2.0', on 20th December 2024, wrapping up a year filled with excitement, creativity, and unity.

Each event showcased the immense talent and energy of the students, making the year truly unforgettable. The council extends heartfelt gratitude to all members, faculty advisors, and students for their continuous support in making these initiatives successful.

Department of Artificial Intelligence & Data Science

The Department of Artificial Intelligence & Data Science (AI & DS) had a highly successful academic year in 2023-24. The 2020-2024 batch achieved a remarkable 100% pass rate in their final semester exams, with Amithrajith V. securing the highest CGPA of 8.94.

The department's association, "AEONIX'23", was inaugurated on November 20, 2023, by Er. Kelvin Kuriachan, Senior Software Engineer at IBS, followed by a technical talk on "Applications of AI in Travel and Logistics."

Several students earned notable distinctions, including Navaneeth V. Nair, who won the global video contest at the ICIP Conference 2023, served as the IEEE Day Ambassador for 2023, and was honored with the IEEE Kerala Section's Outstanding Volunteer Award. Suryanarayanan N. J. secured first place in the Idukki District Karate Championship 2023, while Chris Joy completed a 4-week "Python for Data Science" course by IIT Madras and NPTEL.

In the hackathon space, students like John Paul Naiju, Donit Chacko, and Jophan Shaji participated in the "Build with AI" hackathon, and Fr. Sanal Jose completed the same



"Python for Data Science" course funded by the Ministry of Education, Government of India. Johann Aby Vannilam, Basil Joy, and Alex Geevar Benoy also participated in "Hacks Us-Edition III" organized by RSET, Kochi.

The department witnessed leadership milestones with C.S. Alfred being selected as IEEE Computer Society Chair, and Bastin George becoming the IEEE VJCET Student Branch Secretary.

In the sports domain, Bharath N., Aksa Ann Glemin, and Ameer P. Ibrahim participated in the Mega ATV Championship in Goa, with their ATV also competing in the international SAE Baja event.

In December 2023, the department celebrated Dr. Melvin C. Jose's remarkable tenure as the former Head of the Department, and Dr. Anita Brigit Mathew assumed the role in January 2024.

Additionally, in March 2024, the department successfully completed the "Rodent Activity" project in collaboration with the Electrical and Electronics Engineering Department, handing over the final work and report to Nirmala College of Pharmacy, Muvattupuzha.

Department of Civil Engineering

The Civil Engineering Department at VJCET had a productive and impactful academic year in 2023-2024. The department's association activities, CIVISTA, were inaugurated on January 7, 2023, by Dr. Elson John, Principal Scientist & Head of the Traffic Engineering & Safety Division at KSCSTE-NATPAC. The department continued to make significant contributions to industry and research. It provided consultancy services to NATPAC for traffic studies related to the Sabari Rail Project (Work Order NATPAC/457/2022-DH (TE and SD)/01, dated 03/12/2022) and entered into a Memorandum of Understanding (MoU) with NHA to improve highway infrastructure, focusing on projects such as the six-laning of the Thuravoor-Paravoor section of NH-66 under the Bharatmala Pariyojana. In 2023-2024, 10 students interned with NHA and 25 with NATPAC, benefiting from stipends. Student achievements were noteworthy, with the 2020-2024 batch achieving a 100% pass rate, 42.5% of which graduated with distinction. The placement rate for graduates stood at 68.3%.

Among faculty accomplishments, Dr. Anoop C. K. was selected as an NBA assessor, and the department's 13 faculty members were actively engaged in research and professional development. The department also organized a series of enriching academic programs in 2023-2024, including seminars, workshops, technical sessions, and exhibitions on diverse topics such as AI in construction, Building Information Modeling (BIM), water resource management, and nuclear engineering, with expert speakers from both industry and academia contributing to student learning and exposure.

Department of Computer Science and Engineering

The Department of Computer Science and Engineering at VJCET achieved an impressive overall pass percentage of 94.44% and secured 190 job offers from 20 different companies



during the placement drive. Throughout the year, the department made significant strides in both academic and professional domains.

The department's association, "VOICE'23", was inaugurated on November 16, 2023, by Mr. Benny Xavier, Co-Founder and CIO, Riafy Technologies followed by a technical talk on "The Riafy Journey: Building AI that matters." The Sinu Arby Memorial Quiz Competition was successfully conducted as part of the CSE department's Association Day celebrations.

The department organized an international conference on "Security, Parallel Processing, Image Processing, and Networking" on March 26, 2024. The event was graced by the presence of distinguished chief guest Dr. Resmi A. G., Professional Researcher from Turiba University, Riga, Latvia. Additionally, the sessions were chaired by Dr. Nkundimana Joel Gakwaya, Lecturer at Asia Pacific International University, Thailand, and Dr. Sharmila Banik from Pune University. The conference provided an excellent platform for knowledge exchange and discussions on cutting-edge advancements in these domains.

Dr. Amel Austine, Head of the Department and Associate Professor, Department of Computer Science and Engineering, has successfully defended his thesis and earned his doctoral degree from Noorul Islam Centre for Higher Education, Nagercoil. The topic of his Ph.D. research was "Optimized Resource Allocation and Resource Exchange for D2D Communication in Cellular Networks." This significant achievement highlights his expertise and dedication to advancing knowledge in the field of computer science and engineering.

Student achievements were notable, with Varun Mohammed (S8 CSE) qualifying GATE with a score of 433, Elizabeth Lalson (S6 CSE) with a score of 407, and Aparna Rajan (S6 CSE B) with a score of 393.

Faculty member Mr. Andrews Jose contributed to academic growth by serving as a Resource Person for a NAAC Mock Peer Team at SNGCE Kadayiruppu (June 28-29, 2024) and an OBE Workshop at Illahia Arts and Science College (November 28, 2023). He also participated in an Industry Interaction with recruiters at Infopark (April 19, 2024).

Department of Computer Science and Design

The Computer Science and Design Association had a dynamic and successful 2023-2024 academic year, marked by a variety of events and initiatives designed to foster learning, innovation, and professional growth. Key activities included seminars and workshops on employability, web development (Laravel, JavaScript), mobile app development, LaTeX, and design tools like Figma. Additionally, the department hosted a Virtual Reality (VR) Expo and inaugurated a state-of-the-art VR lab, further enhancing the learning experience.

Among the notable achievements, Anirudh K.B. earned the second prize in the University Inter-Collegiate Karate Competition, and Mariyam Farha was distinguished as the college topper. The department also recorded strong academic results and supported student innovation through platforms such as the VR lab and design tools.



With nine successful events throughout the year, the association strengthened its commitment to empowering students and looks forward to continuing its impactful contributions in the coming academic year.

Department of Electronics and Communications Engineering

The Department of Electronics and Communication Engineering at VJCET organized a series of educational events during the 2023-2024 academic year. The department kicked off the academic year with an alumni interaction on September 12, 2023, as part of the orientation program for S1 ECE students. Mrs. Catherine George, an alumna and Senior RTL Design Engineer at VVDN Technology Pvt. Ltd., shared her personal and professional experiences with the students. A two-day hands-on workshop on "Electronic Product Building" was conducted for S3 ECE students on September 12-13, 2023. The workshop, led by Mr. Antu Dominic, CTO of Truetek World, focused on electronic design, PCB design, product assembly, and troubleshooting. The department's association, "ZEALOUS," inaugurated its activities for the 2023-24 academic year on November 16, 2023. Mr. Kurian Thomas, CEO of Xtend Technologies Pvt. Ltd., delivered a keynote on "Industry's Expectations from a Fresh Graduate Engineer." The event also featured an inter-departmental technical quiz organized by the department's Quiz and Debate Club, as well as cultural performances by students. An alumni interaction was held for S7 students on February 15, 2024, with Mr. Sarat Manuel, an alumnus and Airbus Captain, who shared his journey and insights. Additionally, on February 19-20, 2024, a workshop on the "Atmega 328 Microcontroller" was organized by Rabbitsquare for third-year students. The department participated in "BODHI-2024," the technical fest at VJCET, on February 28-29, 2024, and also hosted a "Raspberry-Pi" workshop on March 21-22, 2024, for fourth-year students, facilitated by Aester India Pvt. Ltd. On April 30, 2024, the department hosted the 16th National Conference on VLSI, Signal Processing & Communication (VLES'24), featuring a keynote by Dr. Poornima S., Assistant Professor at CUSAT, on "Recent Advancements Towards 5G and Beyond." The conference saw 12 paper presentations, with selected works set to be published in *Technology & Future*, a biannual journal of VJCET.

Department of Electrical and Electronics Engineering

The Electrical and Electronics Engineering Department has achieved significant milestones recently. Megha K.J. scored an exceptional SGPA of 10/10 in the third-semester university exams, while Sebin Savio from the 2020-2024 batch achieved the highest CGPA of 8.87.

The department inaugurated its annual association event, VIDYUTH '23, on November 20, 2023, with Er. Ravindranath AV, Founder and CEO of Innovature Pvt. Ltd., delivering a talk on "Entrepreneurship in a Fast-Paced Technology World: Opportunities, Challenges, Success, and Growth."

Students enhanced their industrial knowledge through visits to prominent facilities, including the Kaiga Nuclear Power Plant, Malankara Power House, Pallivasal Hydro Electric Power Station, and Goa Electrical Company. They also completed a 30-hour add-on course, "Electrical Engineering Practices in Industry," which involved visits to a solar power plant, in-house substation, and water treatment plant.



The department organized multiple expert sessions to broaden students' knowledge. These included a talk by Mr. Robin Tomy on Marine Engineering opportunities, a session by Mr. Anoop B on high-voltage equipment monitoring, and a discussion by Mr. G. Krishnakumar on sustainable engineering in honor of World Engineering Day. Furthermore, technical talks on CAD and a GATE orientation program were conducted to support students' career

Department of Information Technology

The 2023–2024 academic year was a successful and significant one for VJCET's Information Technology Department. The department's association activities "OrBIT" was inaugurated on November 6, 2023, by Mr. Rajeev M. A, Enterprise Architect, TCS, KOCHI.

The activities organized by the department were filled with a range of activities aimed at encouraging education, creativity, and career advancement.

As part of the orientation program for S1 IT students, the department held an alumni engagement on September 15, 2023, to start off the academic year. The session was handled by Mr. Linto Tomy, a former student and product Owner – Integrations, CloudPay, United Kingdom, who shared his experiences both personally and professionally. Also an expert talk by Dr. Biju Paul, Professor, Department of Information Technology, Rajagiri School of Engineering and Technology, Kakkanadu was organized by the department for S1 students on September 14, 2023.

An alumni interaction was held for S5 students on August 21, 2023, with Mr. Melvin Mathew, Software Engineer, InApp Information Technologies, Thiruvananthapuram, who shared his journey and insights. Additionally, on September 14, 2023, an alumnus of the department Mr. Linto Tom, Senior Software Consultant/ Project Manager, EY GDS LLP, Kochi, handled a fruitful interactive session with S7 students.

The department hosted the 16th National Conference on Recent Trends in Computing featuring a keynote by Dr. Jubilant J. Kizhakkethottam, Professor & HoD of CSE, SAINGITS, Kottayam," on April 5th and 6th, 2024. The conference saw 11 paper presentations, with selected works set to be published in *Technology & Future*, a biannual journal of VJCET.

On April 24, 2024, the department hosted a National Seminar with Dr. Pournami P.N, Associate Professor, Computer Science and Engineering Department, NIT, Calicut, as the resource person.

Mr. Jeswin Antony M. from the 2020–2024 batch successfully qualified GATE and Ms. Anjali Saji achieved the 6th rank in the B. Tech Degree Examination held in May 2023 in the KTU University.

Mr. Jimmy George, Assistant Professor in the IT Department at VJCET, was honoured with the "Empowering Digital Innovators of Tomorrow 2024" award for his significant contributions to Infosys Springboard during SUMMIT 2024.



Department of Mechanical Engineering

The Mechanical Engineering Department had a remarkable year, highlighted by achievements in academics, research, and extracurricular activities. Faculty accomplishments included Dr. Aravind S serving as a resource person for a SERB-sponsored workshop on Genetic Algorithm using MATLAB at IIT Madras (March 2024), and Leeba Varghese participating in a Faculty Development Program at the COMSOL Conference in Bengaluru (November–December 2023). Research highlights included several notable publications in high-impact journals, such as *Materials Today Communications*, where Arun Raphel and his team published work on tuning thermoelectric properties. Additionally, there were conference presentations, including a semi-automatic hand stacker design by Dr Aravind S and his team at NIT Patna (June 2024). Other contributions included Akash Paul Savio's research on FDM carbon fiber PLA composites and hybrid epoxy materials, and Vinoj K's work on friction stir-processed metal surface composites, presented at ISCO 2023. Innovatively, Rejin Reji and his team developed a remote-controlled aquatic trash-collecting machine, supervised by faculty, capable of removing floating debris using radio frequency within a 150-meter range. The department also organized a one-day tour to Vagamon for all students and staff, fostering unity and camaraderie within the department.

Overall, the year was marked by significant progress in academic excellence, research innovation, and extracurricular engagement, making it a highly successful year for the department.

Department of Management Studies

The Department of Management Studies at Viswajyothi College of Engineering and Technology (VJCET) had an exceptional year, marked by academic achievements, vibrant events, and a strong commitment to leadership and professional development. The Viswajyothi Management Association, a platform for nurturing managerial skills, kicked off its activities with Mrs. Chrisna Joy, Assistant Learning & Quality Manager at Crowne Plaza, as the inaugural speaker. The department organized several notable events, including the VJCET Leadership Camp, an Industrial Visit to Goa, and the annual tech fest Bodhi 2023, which featured the competitive management event MERAKI. Placement success for the MBA 2021-2023 batch was impressive, with 34 out of 40 students securing roles in top companies. The Convocation Ceremony celebrated their achievements with distinguished guests, including Msgr. Dr. Pius Malekandathil and Dr. T.K. Jose. The MBA 2023-2025 batch was welcomed with the Aarambham 2023 initiation and an orientation program focused on skill-building and a smooth academic transition. Students were further enriched by expert talks from industry leaders such as Mr. C.J. George and Mr. Antony Kandrickal, who provided valuable insights into financial trends and agripreneurship. The department's holistic growth approach was reflected in cultural events like the Onam Extravaganza, workshops on Media and Digital Transformation, and student victories in external competitions. Notable highlights included BIZION 2K23, the inaugural National Level Management Fest, which featured six dynamic events and attracted participation from across India. The year culminated with the festive Christmas Bash 2023, fostering community spirit and celebration. Through these diverse initiatives, the department demonstrated its unwavering dedication to academic excellence, innovation, and shaping future leaders.



Department of Hotel Management and Catering Technology

The Department of Hotel Management at VJCET had a dynamic year filled with enriching activities and notable achievements. The celebration of International Chef Day on October 20, 2023, included a festive cake-mixing ceremony, followed by the baking of 300 kg of rich fruit plum cake.

On November 28, 2023, the department conducted a bartending workshop on Mixology, led by professional mixologist Mr. Rince Emmanuel. This workshop equipped third-semester students with hands-on skills in drink preparation and industry trends. In February 2024, 52 students attended the World Defence Show in Riyadh, Saudi Arabia, gaining valuable insights into global hospitality standards.

The department also organized traditional Onam celebrations, including a payasam competition for B.Tech students on September 11, 2024, and a grand Onam Sadya on September 12, 2024, which was attended by the college management and faculty. World Tourism Day was observed on September 27, 2024, with a talk by Mr. Vishnu P.C., Assistant HR Manager at Courtyard by Marriott Kochi, focusing on the theme "Tourism and Peace."

Other significant highlights included Sculptura'24, a fruit and vegetable carving workshop held on September 26, 2024, led by Chef Augustine Benson from Taj Wayanad Resort and Spa. Additionally, the department signed Memorandums of Understanding with Courtyard by Marriott Kochi and Crowne Plaza Kochi to enhance student training, employability, and knowledge sharing.

Through these initiatives, the department showcased its commitment to practical learning and professional development.

Institute of Electronics and Telecommunication Engineers (IETE)

The Institute of Electronics and Telecommunication Engineers (IETE) Students' Forum operates under the Department of Electronics and Communication Engineering. The forum organized a workshop on "Software Defined Radio" for S6 ECE students on March 19, 2024. Additionally, a technical talk on "Introduction to VLSI Design Flow" was conducted by Mr. Rahul Sajeeth Mohan, an alumnus of VJCET (2018–2022 ECE batch), on May 7, 2024, for S6 and S8 ECE students.

Indian Society for Technical Education (ISTE)

Viswajyothi College of Engineering and Technology (VJCET) has been an Institutional Member of ISTE since 2008 (Membership No: IM 1541) and established its student chapter in 2007 (Membership No: KE51). The ISTE chapter is led by Dr. K.K. Rajan (Principal, Chairman), Mrs. Manju Thomas (Secretary), Mrs. Amrutha S (Joint Secretary), and Mrs. Swathi Venugopal (Treasurer & Student Advisor). The faculty chapter comprises 110 lifetime members, while the student chapter includes 822 members.



The chapter actively organizes events to enhance the technical knowledge of students. Notable events include a talk by Mr. Jentil Jose, Senior Architect at IDEAS-Wipro Engineering, on "SOC Functional Safety Considerations" for S6 ECE students on June 15, 2023. An online workshop on Building Information Modeling (BIM) by Mr. Viju Antony, Director of BIMIT, was conducted for S4 and S6 Civil Engineering students on June 19, 2023. On October 20, 2023, Mr. Densil Antony, Chairman & CEO of XR Horizon Pvt. Ltd., Kochi, delivered a technical talk on "Metaverse: A World of Endless Possibilities" for S4 CG students. Additionally, Prof. Dr. M. Sudheep Elayidom, Head of Division, Computer Science and Engineering, School of Engineering, CUSAT, conducted a technical talk for CSE students on May 19, 2023.

Innovation and Entrepreneurship Development Centre (IEDC)

The Innovation and Entrepreneurship Development Centre (IEDC) at Viswajyothi College of Engineering and Technology (VJCET) has been fostering an entrepreneurial culture since its establishment in 2016, with support from the Kerala Startup Mission (KSUM). The IEDC is coordinated by a committee that includes both student and faculty representatives from various departments. The center is recognized by KSUM, and the grants received are utilized to organize technical talks, industrial visits, prototype development, and other entrepreneurial activities. The IEDC has conducted several orientation programs, including one for first-year students, as well as workshops on topics such as computer exploitation and Laravel. These workshops saw participation from 60 and 55 students, respectively. In 2023, the IEDC participated in the IEDC Summit held at GEC Thiruvananthapuram, with two faculty members and 12 students attending. Additionally, the IEDC organized the **VJCET Idea Fest 2023** in August, aimed at encouraging innovative ideas from students. The event provided students with the opportunity to participate in state-level competitions organized by KSUM, where selected prototype development ideas received an initial fund of Rs 5000.

Computer Society of India (CSI)

The Computer Society of India (CSI) Student Chapter of our college is headed by Ms. Arsha J K (Assistant Professor, CSE). It is indeed a matter of great pride that our CSI Student Chapter has received the prestigious "Best Accredited Student Branch Award" consecutively for 6 years to date. As part of its activities, CSI organized a coding competition, TRIVIA, in association with the technical fest BODHI 2K23, which saw participation from around 100 students. Additionally, CSI, in collaboration with the Department of Information Technology, organized a National Conference on Recent Trends in Computing on April 5, 2024. Further enhancing its role in fostering technical knowledge, CSI, in association with the Department of Computer Science and Engineering, also organized an International Conference on Security, Parallel Processing, Image Processing, and Networking (SPIN 2K24)

Institute of Electrical and Electronics Engineers (IEEE)

The IEEE Students' Branch of VJCET operates actively under the guidance of faculty members Mr. Anish M Jose (Assistant Professor, AD), Mr. Babu T Chacko (Assistant Professor, EEE), and Ms. Merlin Thomas (Assistant Professor, ECE). With a membership of 125 students, the branch oversees the functioning of several student chapters, including the



Power & Energy Society (PES), Computer Society (CS), and Signal Processing Society (SPS). During the reporting period, two major projects were undertaken: “Electrical Energy Management,” which was completed on November 15, 2023, with a sanctioned amount of 2000 USD, and “Solstream,” which was initiated on July 15, 2024, with funding of 9813 USD and is expected to be completed by March 2025. Additionally, the IEEE body successfully hosted its annual event, “MEGAMIND,” aimed at selecting the best first-year student, which was conducted successfully this year.

National Service Scheme (NSS)

The college organizes and participates in various activities that channel the energy and idealism of the younger generation into creative pursuits. The primary aim is to develop students' personalities through community service and to foster campus-community linkages. The NSS unit of the college, led by faculty members Mr. Rakesh Jose and Mr. Appu John, has made significant contributions to society through the efforts of NSS student volunteers, instilling a sense of accountability and responsibility in the students.

In the academic year 2023–24, the NSS unit of Viswajyothi College of Engineering and Technology (VJCET) was actively involved in several impactful community service and awareness initiatives. These included participation in the Nava Keralam campaigns that promoted cleanliness and the reduction of plastic usage, as well as a cleaning drive at the Muvattupuzha KSRTC depot.

The unit also conducted seminars on topics such as yoga, drug abuse prevention, and environmental conservation. Volunteers participated in regional meets focused on energy management and blood donation. Other initiatives included organizing tree planting and poster-making competitions during Van Mahotsav and celebrating National Wildlife Week with a visit to Thattekkad Bird Sanctuary.

Social outreach efforts were a key focus, with volunteers visiting rehabilitation centers, orphanages, and old age homes to distribute school kits and meals. The unit also conducted anemia detection and blood donation camps, demonstrating its commitment to healthcare.

Additional activities included the "Clean Your House Campaign," assisting the police with migrant worker data entry, and supporting waste management initiatives under the Malinya Muktha Nava Keralam program. These efforts highlighted the volunteers' dedication to environmental conservation, public health, social inclusion, and community welfare, making a significant and positive impact on society.

Women's Cell

The Women's Cell, headed by Ms. Merlin Thomas (Assistant Professor, ECE), has consistently organized programs that have positively influenced the campus experience for female students.



On December 1, 2023, an Anaemia Awareness and Detection Camp was conducted in collaboration with Indian Oil Corporation Limited.

In celebration of Women's Day 2024, a series of talks were held on March 7, 2024, featuring Ms. Ananya R, Global Community Manager at She Loves Tech, and Ms. Anju Dinesh, Senior Recruitment Consultant at impress.ai.

The "She Talks Tech" event, organized by GDSC VJCET and the Women's Cell on March 7, 2024, was highly anticipated and lived up to expectations, captivating both faculty and students. The speakers, Ms. Ananya R and Ms. Anju Dinesh, played a pivotal role in the success of the event. The session focused on encouraging women to step out of their comfort zones and the importance of securing employment.

Throughout the event, numerous female students actively participated, sharing their thoughts and experiences, which significantly contributed to its success. Key topics discussed included the importance of communication skills, goal setting, and discipline. The speakers also highlighted the advantages of technology, along with the potential risks it entails, providing students with valuable insights.

Information and Communication Technology Academy of Kerala

The ICT Academy of Kerala (ICTAK) hosted the International Conclave on Skills, Engineering, and Technology on September 30, 2023, at the Adlux International Convention Center in Angamaly. Twenty students from the CS, AD, and IT departments participated in this prestigious event and received certificates for their involvement. In addition, Johan Joe Manamathadam and Jeralm Mathews Jomy, both from the S7 CS B batch, successfully completed a virtual Salesforce Developer internship organized by ICTAK from October to December 2023, showcasing their skills and dedication.

Parent-Teacher Association (PTA)

During the academic year 2023–24, each department at VJCET organized Parent-Teacher Association (PTA) meetings for both semesters, conducted either online or offline. These meetings witnessed active participation from parents, who engaged meaningfully with the Heads of Departments (HODs) and faculty members. The Principal also addressed and interacted with parents during several sessions, sharing updates on various activities, including the APMC initiatives.

The 26th PTA Executive Committee meeting was held online on June 7, 2024. During this meeting, the Principal discussed key developments at the college, including the academic results of the 2019–2023 batch, placement statistics, and the expansion plans for the BHMCT department. Updates were also provided regarding VJCET's AICTE approval for increased intake in the BHMCT program and progress in the university affiliation process.

Additionally, the Principal highlighted the effectiveness of the APMC committee, ongoing placement initiatives, and the current status of NBA/NAAC accreditation. Minor and honours



courses were also introduced, and PTA members were invited to the Merit and Farewell Day for the 2020–24 batch, scheduled for June 20, 2024.

The Finance Officer, Mr. Arun Bobby, presented a comprehensive report on PTA fund finances, ensuring transparency and accountability.

Placement Cell

The placement cell of the college arranges Aptitude Training, Soft Skills Training, Infosys Campus Connect Program, classes for Spoken English, language enhancement classes, group discussions, resume corrections, mock interviews and GATE coaching for students.

Industry Institute Interaction Cell (IIIC)

The Industry Institute Interaction Cell (IIIC) at VJCET strives to enhance the quality of technical education and improve the employability of engineering graduates by fostering meaningful collaborations among industry, research organizations, and academic institutions. To facilitate its effective functioning, IIIC has established dedicated committees for both students and staff. During the 2023–2024 academic year, IIIC organized a range of events, including technical talks, industry visits, workshops, and seminars. Approximately eight programs were conducted across various disciplines, providing valuable opportunities for knowledge exchange and professional development.

LIBRARY

During the 2023-2024 academic year, the Central Library organized a series of impactful programs to enhance the academic experience of students and faculty. As part of the KTU Induction Programme, a comprehensive Library Orientation was conducted for S1 B.Tech students, with branch-specific sessions led by the Senior Librarian. These sessions included guided tours to acquaint students with the library's resources and services.

A three-day Book Fair was also organized, featuring a diverse range of books on Engineering, Hotel Management, Hospitality & Tourism, and General Reading, benefiting both students and faculty. Additionally, 16 events under the NDLI (National Digital Library of India) Club were conducted in collaboration with various departments. These events included technical talks and offered participation certificates to encourage active engagement and academic growth.

Through these initiatives, the Central Library significantly contributed to fostering educational development and strengthening the connection between students and library resources.

With the blessings of God Almighty and the unwavering support of our patron, His Excellency Mar George Madathikandathil, Bishop of Kothamangalam, our institution continues its steadfast journey toward achieving the vision of "moulding professionals par excellence with integrity, fairness, and human values."



VISWAJYOTHI
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This remarkable progress has been made possible through the visionary guidance of Msgr. Dr. Pius Malekandathil, Manager, and Rev. Fr. Paul Parathazham, Director, along with the steadfast commitment of the entire management team, the AICTE, the Directorate of Technical Education, and the Kerala Technological University. It is further reinforced by the dedication and teamwork of our staff, the encouragement of parents, and the tireless efforts of our students.

On this day, 27-10-2024, I humbly present this report with heartfelt gratitude to the Almighty and the Viswajyothi fraternity. Together, let us continue striving for excellence and serving humanity with distinction.

Dr. K. K. Rajan

Principal

Viswajyothi College of Engineering and Technology, Vazhakulam