With immense pleasure let me present this Annual report about the major achievements and new developments in the academic year 2019-2020.

Viswajyothi College of Engineering and Technology is an AICTE approved institute affiliated to APJ Abdul Kalam Technological University. The college offers Six B.Tech. programmes, Three M.Tech. Programmes and Management studies. The college has a total strength of 2012 students.

The activities of the academic year 2019-2020 commenced with the Holly Mass concelebrated by respected Monsignor Dr. Cherian Kanjirakompil, Vicar General of Kothamangalm Diocese on 22/07/2019.The orientation programme for first year students started on the same date. Regular classes for Third, Fifth & Seventh Semester B.Tech. Programmes commenced on 01/08/2019.

While 8 faculty members and 6 technical staff members were relieved,8 faculty members joined service, making the total strength of teaching staff to 162 and technical staff to 89.

University Results

We do have consistently good academic results. In the last final year out of the 552 students appeared for examination 389 students cleared all the papers of the entire B.Tech. Programme in the stipulated eight semester period with an overall pass percentage of 70.47. In Management studies 31 out of 57 students cleared all the papers of the entire MBA programme in the stipulated time period with a pass percentage of 54.38.

Placement

In the academic year 2019-2020, 330 students secured placement offers from 26 reputed companies such as Infosys, TCS, Amazon, Cognizant, Quest, Experion, IBM,Etc.

The placement for the MBA batch 2018-20 is 95 percentage. Major recruiters are ESAF BANK, ABFRL, Extra Marks, BYJU's Learning App, Thyrocare Technologies, Reflections, Kamadhenu Ayurveda Pharmaceuticals, Stratagile, Reliance Retails, New care Hygiene Products, Envestnet, Aviation Education Institution etc.

Students Achievements

Our Students participated in various events at National, University and Intercollegiate level and bagged many prizes.

Abinand S, Ajwin Jose Francis,Charles George,Rahul Raj of S7 CE B secured 3rd prize in TECHEXPO 2019(Project exhibition-working model) conducted as part of Tathva 2019, National Technical Fest, at NIT Calicut & bagged a prize money of Rs.6000

Pratheeksh Joshy S7 CE cleared National level IGBC’s certification course on Green Built Environment.

Edwin Jolly, Abin Geordy of S5 CE A had attended IGBC Student Chapters Meet 2019 on 25th September 2019, HICC, Hyderabad. The theme of the program was ‘Preserve Nature: Protect the Future’

Francis Rohan John (2015-19 batch), Aliaz Biju (2015-19 batch), Ceril Joseph (S7 EC A), Nelson Joseph (S5 EC A), Anand Renjith Kannan (S3 EC B) participated in the final round of Dr. Pradeep P. Thevannoor Innovation Awards (PPTIA) 2019, a global event held annually with an aim to recognize innovative ideas and applications to tackle challenges faced by the society. They got an honorable mention for their project, Artificially Intelligent Emergency Response Drone, guided by Ms. Anurani Philip, AP, ECE.

Bhuvanendran B, Mithun Murali Krishna, Nithin Bose Tharakan, Tony George of S8 EC A won 1st prize in the Best Project Manager competition in Brahma’20 conducted by Adi Shankara Institute of Engineering and Technology, Kalady.

Giya Baby secured first prize in the event AURORA Drawing Competition organized by UNAI ASPIRE on 28th May 2020.

Dhilna Biju secured first prize in the event RETORIKA Elocution Competition organised by UNAI ASPIRE on 28th May 2020.

Maria Sabu of S2 EC A was awarded for her exemplary leadership and volunteering efforts while the implementing site funded project ‘Smart Classroom Among the Woods’ organized by IEEE SIGHT, in July 2020.

The Project work entitled “Eye Controlled Wheelchair” done by S8 Electrical & Electronics Engineering students Mr. Alwin Eldho, Mr. Jaison Kuriakose, Mr. Tinu George and Ms. Varsha Antony got selected and received a financial assistance of Rs.29500/- from APJAKTU-CERD.

Mr. Abin Anil, Mr. Christy Baby and Mr. K.S. Nandukrishna of S7 EEE A Secured First prize in Jeesan Gilbert Memorial Quiz competition conducted by EEE department, VJCET

Mr. Abhijith M A, Mr. Nevin Paul Saju and Mr. Vishal H of S1 EEE secured Second prize in Jeesan Gilbert Memorial Quiz competition conducted by EEE department, VJCET

Mr. Jeswin Leo Sabu secured First Position in the Power and Energy Innovation Hackathon conducted during All Kerala Power and Energy Society Student colloquium,2019.

A team of students from EEE Department participated in 7th Go Kart design challenge (GKDC) conducted by Indian Society of New Era Engineers held at Coimbatore under the Guidance of Mr. Jomu M George, Assistant Professor, EEE Department. The team participated in the electrical section of the event and secured 7th position by completing every test that was conducted.

Ms. Gayathri L Kumar of S2 EEE was awarded Certificate of Commitment for demonstrating her commitment to promote Safety Against COVID 19 by Delgon technologies.

Arjun Suresh and Alan Cyriac Sunny of S4 IT qualified into the finals of “PRAYUDH’ 20 inter collegiate quiz competition.

Mr. Rahul Vinod & Mr. Amal Shaijo of S5 IT won first prize in Regional Idea Fest conducted by IEDC of VJCET, for the topic “Beyond online learning Platform”.

Kevin G Amamthuruthil, Sagar Vincent, Aldrin Baby, Ameer E. A. of S7 ME A has secured first prize in Tech Expo, TATHVA 2019 on the project titled “Fully Automated Weed Control” conducted by NIT Calicut on Oct 18th -20th 2019.

Akhil Shaji S8 ME A won 1st prize at National level best actor competition, Nakshatra Fest held at Saint Gits college, Kottayam.

Muhammed Anas A B S8 ME A become Winner of Idea Fest conducted by Innovation and Entrepreneurship Development Cell of Viswajyothi College of Engg. and Technology.

Umesh Ganesan S6 ME A "completed NPTEL (management of products and services) and won 2nd prize in Direct Digital Manufacturing (presentation) conducted by SAE"

Akhil Sebastian S6 ME A "won runners up in district level senior Basket Ball championship 2019.

Sreerag shaji of S6 ME A achieved 3rd position in tier 2 mechatronics competition conducted by SAE INDIA at RIT, KOTTAYAM.

Jose Thomson of S8 ME B got 1st Prize, in the event “Spy next door”, tech fest held at Adi Shankara Institute of Engineering and Technology.

Albin Paul of S8 ME B Designed and developed final year project NutX –Nutmeg cracker, Funded by Malayala Manorama IBS- Yuva Master Mind and Participated in Yuva Master Mind. Albin also received funding from KSCSTE for project and this project received first prize in VJCET IEDC Idea Presentation Competition. He got 2nd Prize in Project Presentation conducted in Orion -Virtual Tech fest organized by IEEE Power and Energy Kerala. He got First Prize in Presentation competition on the topic Environment and Engineering conducted by IEEE VJCET.

Arjun T P of S6 ME A secured 2nd place on Mechatronics tier 2 conducted by SAE.

Programmes

Various programmes were arranged in the college during the current academic year under the auspices of the management, faculty and the student’s council. College day, Technical fest and Arts fest were not conducted due to Covid Lockdown.

The election to the student’s council was held on 14/08/2019. Sri Sean Santhosh Joseph S5 CSE A, Sri Maria George S5 ECE A and Sri H Anand S5 EEE B were elected as chairman, Vice Chairperson and General Secretary respectively. The college council was formally inaugurated on 10/10/2019 by Mr.Alexander Jacob (IPS).

The Onam celebrations of the year 2019 were conducted on 6/9/2019 by student’s council.

The annual sports meet Drona-2020 was conducted on 14/2/2020 to 15/2/2020.The meet was inaugurated by respected Monsignor Dr. Cherian Kanjirakompil, Manager VJCET.

In order to keep with the rapidly changing technological developments all departments of the college organized various programmes.

Civil Engineering Department

Civil Engineering Association Inauguration “CIVISTA’19” held on 15th November 2019, and the Chief Guest was Dr. May Mathew Chief Planner and Managing Trustee Centre for Environmental Efficiency and NGO registered under Indian Act (Senior Town Planner Retired from Greater Cochin Development Authority, Kochi. Following are the major achievements of Civil Engineering department.

Executed an MoU with National Highway Authority of India for Road infrastructure development by adopting a stretch of National Highway

Organized a One week KTU sponsored Faculty Development Programme on” Geo-Hazards & Disaster Mitigation”.

Arranged one week hands on workshop on ‘Surveying-An Insight into wonderful world’

Organized a Technical Webinar, “Gearing Up-post Covid-Part I“.

Organized a workshop on FAB LAB

Arranged series of workshops & technical talks in the relevant areas.

Dr. Anoop C K was an Invited Delegate for Indo UK Workshop on “Waste Water Management” at Punjab University, India.

Dr. Anoop C K was Invited for Lecture in “Indo UK Workshop on Green Chemistry for Societal needs, Healthcare, Pollution and Circular Economies” New Delhi.

Ms. Shine George was Invited as Resource person for a 3 day FDP on "Recent Advancements in Civil Engineering" conducted by CMR Institute of Technology Bengaluru.

Ms. Shine George was invited as Resource person for Webinar series- “Gearing Up –Post Covid Part 1” conducted by Viswajyothi College of Engineering and Technology

All faculty members of the Department have one or more technical publications in National/ International journals.

Undertaken industrial consultancy work including Concrete Mix Design as a part of its interaction with industry, generating revenue of approximating Rs. 96000/-for the last academic year. The department has newly extended consultancy services for BM & BC (Bituminous Macadam and Bituminous Concrete) mix design.

62 students from S4 associated with GoK to conduct GIS SURVEY of the Marady Panchayat under the Muvattupuzha Block Panchayat

Computer Science & Engineering

Ten Faculty members of the department have published papers in reputed International Journals and International Conferences.

Dr Anishin Raj M.M secured Best Paper Award in International Conference-ICCIDT June 2020.

Dr.Anishin Raj was the reviewer for two SCIE and Scopus indexed Journals.

"Best Accredited Student Branch" for the year 2017-18 and 2018-19 from Computer Society of India

Mr.Andrews Jose was the resource person for nine FDPs in OBE based NBA accreditation.

Faculty members of CSE have attended 4 workshops and 15 FDPs in the area of innovative research, soft skills and technological advancements.

Department has organized a National Conference (SPIN) on 17th & 18th June 2020 and has also organized two workshops in the field of latest technologies.

Electronics & Communication Engineering Department

The ECE association, Zealous ’19 was inaugurated on 13th November 2019 by Mr. Dominic Mathew, Former DGM, Electrical and Electronics Design, Hindustan Machine Tools Ltd. A Talk on “IoT” also was given.

Gayathri Suresh of S5 ECE (CCO, Teqnocart Innovations (Opc) Pvt. Ltd.) conducted “IEDC Orientation Programme” for first years of ECE Branch on 1st August 2019.

Gayathri Suresh of S5 ECE conducted a Workshop on ‘Exploring the Potential of Entrepreneurship and Introduction to TEQNOCART’, organized by IEDC, VJCET, on 15th November 2019.

Harisankar S, Anjith P.N, Alan Jose, Rahul Sathyan of S5 ECE conducted a one day workshop on “Arduino for Absolute Beginners”, for plus two students on 3rd August 2019.

National Conference on VLSI, Signal Processing and Communication, VLES’20 was conducted on 14th& 15th July 2020. Dr. Abdulla P, Professor in Electronics at School of Engineering, CUSAT was the keynote speaker. 33 papers were presented in the conference.

One day workshop on “ROBOTICS” for higher secondary students was conducted on 13/07/2019. One faculty and 19 students from different schools attended the workshop. Workshop was handled by Mr. Varghese Benny, 2014-2018 batch alumni of ECE Department.

One day workshop on “ARDUINO for Absolute Beginners” for higher secondary students of Technical Higher Secondary School, Muttom was conducted on 03/08/2019. A total of 28 students attended the workshop and were greatly benefited. Workshop was handled by Sri Rahul Sathyan,Sri Alan Jose,Sri Harisankar S and Sri Anjith P N, students of S5 ECE.

6 workshops, 5 expert talks, 3 Alumni interaction programs and 1 webinar were conducted for the students.

An Intra Departmental Technical Quiz was organized by the Quiz & Debate Club of ECE Dept. on 13th November 2019. Students of S1 ECE, Ajith George Louis, Maria Sabu& Sandra Santy were the Quiz Masters.

12 papers published in Journal/Conferences.

33 Papers published in National Conference VLES’20.

Mr. Tony D, Asso. Prof., ECE Department was awarded PhD in Microwave Engineering from Cochin University of Science and Technology.

Mr. Cyriac M Odackal, Asso. Prof., ECE Department was awarded PhD in Electronics from Cochin University of Science and Technology.

Electrical & Electronics Engineering Department

The association activities for the year were inaugurated by Shri Thomas Daniel, Ex. Sr. Manager of BPCL & Electrical Department Manager, Abudhabi National Oil Company on 7th November 2019. Jeesan Gilbert Memorial Quiz competition was also held at the same venue.

The Department conducted a one week KTU sponsored FDP on Advancements in Drives, Instrumentation and Control’ from 1st to 5th July 2019. The program was inaugurated by Dr. M. Nandakumar, Professor& Former H.O.D, Government College of Engineering, Thrissur.

The Department conducted a 3-day national conference on ‘Emerging trends in power, instrumentation, control and computing technologies’ from 7th to 9thAugust 2019. Mr.SureshBabu, Station Director, Koodankulam Nuclear Power Plant was the chief guest for the inaugural function.

The Department coordinated two- week international FDP on ‘On grid photo voltaic power generation system’ in association with Senior Experten Services (SES), Germany from 2nd to 16th December 2019. Mr. Georg Friedrich Bopp, an internationally recognized solar PV expert from SES was the resource person for the program.

The Department conducted a 2-day national conference on “Advancements in Control & Computing Technologies” from 15th to 16th July 2020. Dr. A K Parvathy, HOD, EEE Department from Hindustan University, Chennai was the keynote speaker for the conference.

A webinar on “Relevance of sustainable development-post COVID Scenario”was conducted on 3rd June 2020. The Keynote Speaker was Shri C R Neelakandan, an environmental Activist and Former DGM, KELTRON controls, Aroor.

A webinar on Emerging trends in electric vehicle Technologies was conducted on 26th June 2020 by Mr. VijayanNandalan, Former Scientist, ISRO, Trivandrum. the webinar focused on the relevance of electric vehicle, power converting technologies and their storage system.

Organized Workshop on "Recent trends in Solar Power Generation Technology" by Dr. K.K. Rajan on 5th march 2020

A research project titled “Development of Level Sensor for Lead Lithium Loop System.” funded by Board of Research in Nuclear sciences (BRNS) at an estimated cost of Rs. 33,08,500 has been completed.

Principal Investigator: Dr.K.K. Rajan, Professor EEE & Dean IIIC

Co-Investigator:Dr.B.Aruna, HOD EEE

The project execution period was two years and was completed on 31st August 2019.

Dr. Sony Kurian published a paper on ‘Optimization of Process Parameters in drilling of Carbon Fibre Epoxy Composites’ in Technology & Future, January –June 2019.

16 faculty members from EEE department presented papers in National conference on ‘Emerging trends in power, instrumentation, control and computing technologies’ from 7th to 9th August 2019.

Ms. Smitha Jacob has completed a 6-week online course in Excel skills by Macquire University.

Dr.Sony Kurian, Associate Professor, EEE Department is awarded with PhD guideship by APJ Abdul Kalam Technological University of Kerala.

Information Technology

Diana Baby secured best paper award for the presentation of paper “Leukocyte Sub Type Identification Using Spline Interpolation and Graphical Analysis” on International Conference On Computational Intelligence & Digital Technology ICCIDT 2020, Mangalam College of Engineering ,15th-16th June 2020 [SCOPUS INDEXED].

Ms. Diana Baby presented a paper titled “A performance comparison of supervised and unsupervised Image Segmentation Methods” in SCOPUS Indexed Springer International Conference on Adaptive Computational Intelligence 2019 Organized by: GSSS Institute of Engineering & Technology for Women, Mysuru, India on 18th – 19th July 2019(ICACI 2019).

Mrs. Anju Susan George and Mrs. Tiny Molly V attended Faculty Development Program on “Glide through Cognitive Computing” conducted at Mar Athanasius College of Engineering, Kothamangalamsponsored by KTU from 16th Dec 2019 to 20th Dec 2019.

Mrs. Anju Susan George, Mrs. Ann Preetha Jose, Mrs. Salini Dev P. V. and Mrs. Diana Baby attended Faculty Development Program at TCS, Kochi.

Majority of faculty members published and presented papers in journals and conferences.

All faculty members attended many workshops and technical talks within and outside the college.

The IT association ORBIT 2019 was inaugurated on 13/11/2019 by Mr. Manoj Thomas, Regional HSE Lead of TCS Asia Pacific and TCS, Kochi.

Conducted two weeks “SES (Germany) - International Workshop on Artificial Intelligence” at VJCET, Vazhakulam from 03/12/2019 to 13/12/ 2019.

Organized National Webinar on “Future of Technology After Covid-19” on 29/05/2020.

Arranged more than 10 technical talks and workshops with experts both inside and outside the college.

More than 20 students participated in various technical and cultural online activities in other colleges/ technical Institutions.

Mechanical Engineering Department

Dr. Shunmugesh K, published a paper on "Measurement of Tensile Properties and Hardness of Friction Stir Welded Aluminium Alloy AA1200 ", Materials Today Proceedings, Vol 24 2214-7853, January 2020 (Scopus indexed)

Dr. Shunmugesh K, published a paper on “Areca fiber reinforced LLDPE Biocomposite”, Materials Today Proceedings, Vol 24and 2214-7854 January 2020 (Scopus indexed)

Dr. Shunmugesh K, published a paper on “Taguchi Grey Relational Analysis based Optimization of Micro-Drilling Parameters on Carbon Fiber Reinforced Plastics., Materials Today Proceedings, Vol 24 and 2214-7855, January 2020 (Scopus indexed)

Dr. Shunmugesh K, published a paper on “Investigation on Crash Analysis of a Frontal Car Bumper”, Transactions of the Indian Institute of Metals, Vol 72(10) and 0972-2815, January 2020 (SCI indexed)

Dr. Shunmugesh K, Mr. Arun Raphel published Optimization of drilling parameters of fiber reinforced polymer composites, Technology & Future – Journal of Science & Technology, Volume 1, 2019

Dr. Sajan T. John, published a paper on “An Integrated Supply Chain Model for Export Commodities for Indian Container Goods”, European Transport Conference, Association for European Transport, Dublin Castle, Ireland, October 2019

Arun K, published a paper on “Fabrication of GFRP Composite and To Analyse Its Delamination Factor in Drilling Using Three Different Tool Geometries”, International Journal of Scientific & Technology Research (IJSTR) Volume 9 - Issue 4, April 2020 (Scopus indexed).

Akash Paul Savio, published a paper on “Automatic River Cleaning Machine”, International Journal of Engineering Sciences & Research Technology, Vol 9(5), ISSN: 2277-9655, May 2020

A five-day KTU funded FDP was conducted by Department of Mechanical Engineering in association with Centre for Research and Development, VJCET, on “Tools, Techniques & Models for Scientific Research” from 22nd– 26th July 2019.

A two-day International Seminar was conducted by Department of Mechanical Engineering in association with Centre for Research and Development, VJCET on "Materials: Engineering for Sustainability” from 29th– 30th July 2019.

Prof. Dr. Rajan Ambat from Division of Materials and Surface Engineering, Technical University of Denmark inaugurated the seminar.

Five-day Short-Term Training Program on "Programming and Operation of Computerized Numerical Control Lathe" was organized by Mechanical Engineering Department in association with Centre for Research and Development, VJCET from 15th-19th July 2019.

Department of Mechanical Engineering received a funding of Rs.18,43,000 from AICTE under Modernisation And Removal of Obsolenscence (MODROBS) scheme for the CNC Milling Machine. Project Coordinator: HOD, Mechanical Engineering Department.

Project entitled “AGR-E” by Mr. Firoz S, Mr. Erfan Muhammed CK, Mr. Bilal Shamsudhin, Mr. Sanjay MS Students of S7 ME A recieved project funding of Rs.2,00,000 as Idea grant, Scale up grant and Productisation grant from Kerala Start Up Mission - Project Guide: Mr. Nidheesh K, Assistant professor, MED.

Project entitled “Fully automated Weed Controller” by Mr. Kevin G, Mr. Sagar Vincent, Mr. Aldrin Baby, Mr.Ammer E A of S7 ME A got project funding of Rs.20,000 under KSCSTE-INNOVATE scheme funded by Kerala State Council for Science Technology and Environment, . Project Guide: Mr. Unnikrishnan T.G, Assistant professors, MED.

Project entitled “Robotic Assist for Walking Disability” by Mr. Muhammed Salih, Mr. Midhun Babu, Mr. Naveen B, Mr.Anandhu Sabu of S7 ME A got project funding of Rs.10,000 under Students Project scheme funded by Kerala State Council for Science Technology and Environment, . Project Guide: Mr.Nibin B, Assistant professors, MED.

Project entitled “Portable Nutmeg Seperator-Nut-X” by Mr. Albin Paul, Mr. Eldhose Raju, Mr.Harikrishnan A S and Mr.Jipil P Chettoor, of S7 ME A got project funding of Rs.10,000 under Students Project scheme funded by Kerala State Council for Science Technology and Environment, Project Guide: Mr.Eldhose Kurian, Assistant professors, MED.

Project entitled “Portable Nutmeg Seperator-Nut-X” by Mr. Albin Paul, Mr. Eldhose Raju, Mr.Harikrishnan A S and Mr.Jipil P Chettoor, of S7 ME A got project funding of Rs.7,000 under Yuva Mastermind scheme funded by Malayala manorama , Startup Valley -Amaljyothi TBI. Project Guide: Mr.Eldhose Kurian, Assistant professors, MED.

Management Studies Department

Mr. Akshai Joshy of MBA 2019-21 batches was selected in to the University Volley ball team and played interuniversity matches.

DIVOC: Automatic sanitizer dispensing machine developed by MBA students of 2019-20 batch and was launched by Muvattupuzha, MLA Eldo Kunnappilly

An Alumni meet of VSMS was conducted at 6 pm IST on Saturday, 9th January 2021 through online platform (Zoom). More than hundred Alumni attended the function and gave their valuable feedback and suggestions for the betterment of Institute and Alumni Association.

A webinar series was inaugurated with the webinar of Mr. Rajesh Nair, Associate Partner of E&Y on 22nd May 2020.Department conducted 16 webinars as part of this series.

In addition, the majority of faculty members from all departments attended faculty development progra mmes & workshops at various other institutes & also delivered technical talks at various engineering colleges within & outside the state

The various Professional bodies in the college viz.ISTE,III CELL, CSI, IEE, NTPEL etc, have also rendered valuable services.

ISTE

Viswajyothi College of Engineering and Technology has become the Institutional Member of ISTE in the year 2008 (Institutional Membership No: IM 1541). We have an active student chapter as well as the faculty chapter. The ISTE student chapter was opened in the year 2007(Membership No KE51).

ISTE Chapter of VJCET is headed by Dr. K. K. Rajan (Principal, Chariman – ISTE Chapter).Our faculty chapter consists of 110 lifetime members and student chapter has consisted of 778 student members. A Student membership campaign was conducted in the first week of August 2019 and 129 students from various departments has joined ISTE students chapter.

ISTE chapter has conducted a Hands-on Workshop on React JS on 30/10/2019. 35 students are actively participated.

Conducted an expert talk on “Use cases of Block chain” on 11/7/2019. 42 students are attended the talk.

Conducted One day seminar on “Ergonomy of IT Industry” on 14/11/2019 by Mr.Manoj Thomas from Tata Consultancy Services. 150 students participated.

Conducted a Seminar and Quiz competition on “Open Source Softwares” on 20/1/2020.

III Cell & IEDC

Industry Institute Interaction Cell (IIIC) aims at an effective interaction between industries and academia and Innovation and Entrepreneurship Development Cell (IEDC) promotes innovation and entrepreneurship skills among students. Various programs were organized by these cells in the college under the guidance of Mr. Vinoj K, faculty in charge.

Each department in association with IIIC organized technical talks by experts from MoU signed industries.

IEDC organized orientation programs for the first year students of all the departments.

IEDC in Association with R&D conducted technical talks for the students and faculty.

Prepared ‘VJCET STARTUP POLICY’, in line with National Innovation and Startup Policy - 2019 for Students and Faculty, Ministry of Human Resources and Development (MHRD) - Government of India, Kerala Technology Startup Policy-2014 and Kerala Startup Mission - Government of Kerala and Kerala Technological University Startup Policy - 2015.

CSI

The Computer Society of India (CSI) Student Chapter of our college headed by Ms. Arsha J K organized various technical activities for CSI student members like Technical Talks on Block Chain technologies, Big Data and Internet of Things, Short Term Training programs on LaTeX , Github and Web Designing, Motivational Talks, Expert Lectures, National Level Intercollegiate quiz competitions like PRAYUDH and Technical Completions like Code War.

The CSI Student Branch was selected to receive the prestigious “Best Accredited Student Branch Award” in the year 2017-2018 and 2018-2019 by the Computer Society of India. The student branch receives “The Best Accredited Student Branch” consecutively for 6 years is a noticeable achievement. The award was received by Head of Computer Science and Engineering Department Prof. AmelAustine from Prof. Mike Hinchy, President of IFIP and Dr.R.K Vyas, Vice president CSI in the CSI Annual Convention 2020 at Kalinga Instituite of Industrial Technology, Bhuvaneswar on 18th January 2020.

IEEE

The IEEE students Branch of the college is a dynamic body under the guidance of faculty members Sri Anish M Jose, Sri Babu T Chako and Sri Sivadas T Nair. The chapter organized various programmes like workshop orientation classes etc. for IEEE members both at college level and at hub level. During this academic year two major projects were sanction by IEEE society to VJCET SB and both were implemented successfully. In the first project a smart class room was set up at Kunjippara tribal settlement school with an expense of Rs. 3,40,000/-.This project was named “Smart Class Room Among the Woods”. In the second project named “Let’s Unchain it”, automatic hand sanitizer and automatic tap were installed at Adimali Taluk Hospital with an expense of Rs.1,62,000/-.

NPTEL

The NPTEL VJCET chapter arranged an awareness program for the first year students about the importance of NPTEL, SWAYAM courses and spoken tutorial. 8 Faculty members and 25 students from Civil Engineering department enrolled for various NPTEL courses during the odd semester (July to October 2019). Two students Ms. Anila Gopi and Ms.Bincy Baby from S5 CE A completed a 4 week course named “Geotechnical Engineering Laboratory” with 65% and 62% marks respectively. 6 students and two faculties from Mechanical Engineering enrolled for various NPTEL courses during the academic year 2019-20. 27 students from Computer Science Engineering Department successfully completed NPTEL courses during the academic year 2019-20. Ms. Amritha Satheesh Kumar of S8 EEE B has completed a course on Production and Operation management by NPTEL. 31 students enrolled the course on “JAVA programming” offered by spoken tutorial. The duration of the course was 6 months.

NSS

The NSS unit of the college under the leadership of faculty members Sri Aneesh kurian, Sri Santhanu P Mohan, Smt Jerin Jose, Smt Mary Nirmala George has rendered remarkable services to the society with NSS students volunteers.

The major activities are :

Celebrated the 73rd Independence Day by hoisting the National Flag.

As part of the flood relief, the NSS volunteers has collected new notebooks for distributing it to the students who were affected by flood of 2019.

Orientation Classes for the new volunteers has been conducted by the Technical Cell Core Committee members.

Provided Onasadhya to the 35 inmates of Providence Home as a part of Onam celebration 2019.

A poster making competition was conducted as part of the Ozone day celebrations.

Blood donation Camp was conducted on Sept. 26 in association with IMA Thodupuzha, sponsored by HDFC bank and Blood donors Kerala. Sixty units of blood were donated.

“Punarjani”-seven days special camp was conducted by Govt. Taluk Hospital Muvatupuzha, where our student volunteers reinstated various hospital equipments and created an asset of about 17,42,300/ Rupees.

Conducted an Essay competition on the topic National Unity as a part of the birth anniversary of SardarVallabhbhai Patel.

Conducted a cleaning program at Primary Health centre Pandapilly, Muvatupuzha.

Conducted a cleaning program at our college, Visawjyothi College of Engineering and Technology, Vazhakulam.

ALUMNI

Established in 2005, VJCET alumni association creates and maintains a life-long connection between the college and its alumni, who number more than 7,000. VJCET has a very committed and vibrant alumni network with five chapters centered at Kochi, Trivandrum, Chennai, Bangalore, Qatar and UAE. Alumni are the most trusted brand ambassadors and VJCET is grateful to them for their generous patronage and support.

The Annual Alumni meet was held on 22nd July 2019 on the campus and it was well attended. The general body elected the same executive committee for the next one year and approved the bye law for registration as per Section 12 of The Travancore Cochin Literary and Scientific and Charitable Societies Registration Act 1955. All departments conducted Technical talks by alumni for graduate students in association with Industry Institute Interaction Cell and Alumni Association. These talks helped our students to understand the current advancements and scope in engineering field.

Induction Programme for Final Year students (2016-20 Batch) of VJCET was conducted on 15th December 2020 through online platform. As recognition for final year students, the Alumni Association honoured students through the “Best Project Award” from each department with a cash prize of Rs. 3,000/- per team in Merit and Farewell Day 2020.

Women’s Cell

A salad making competition was organized on 5th March 2020 and the winners were awarded with cash prizes.

In association with the IEEE WIE chapter of VJCET, the Women’s Day Celebrations was conducted on 6th March 2020 at 1.45 pm and Dr. Lalitha Mathew, Founder & CEO, AKSHARI was the special guest. The lecture session was followed by a variety of cultural programes and games were also organized for the students.

Research and Development Cell

The Centre for Research & Development is headed by Dr. Anishin Raj M. M, Dean R&D along with a team of dedicated and hardworking personnel.

The highly committed faculty members has published nearly 100 research articles through International/ National journals and conference proceedings in the academic year 2019-20, with the noble vision of transforming Viswajyothi College of Engineering & Technology into an institute of research acumen.

VJCET has got several funding support for student projects sanctioned by funding agencies like BRNS, KSCSTE, KSUM etc.

R&D has conducted several FDPs and workshops to inculcate latest research ideas and innovations in the mind of faculty members.

VJCET has KTU recognized Ph.D research guides in CSE, ME, EEE and MBA.

The Eco, Nature & Photography Club

The election of office bearers for the smooth functioning of the club, was not conducted during the academic year 2020-21 because of the Covid-19 pandemic.

The two major events that are conducted during every academic year was photography competition and photo exhibition in connection with tech fest and arts fest. Due to the Covid-19 pandemic, both activities were cancelled.

PTA

We are proud to announce that our college has an active PTA with President Sri Noble John renders all support to the institute for its smooth functioning.

Placement Cell

The placement cell of the college is arranging aptitude training, Soft Skill training, Infosys campus connect programme, classes for spoken English, language enhancement classes, resume corrections, Group discussions, mock interviews & GATE Coaching for students.

Meritorious students are awarded central scholarships and minority scholarships to the tune of Rs: 53,44,440/- (Fifty Three Lakh fourty four thousand four hundred and fourty rupees only) apart from the scholarship awarded by the management.

Infrastructure

The capacity of the solar power plant is being enhance from 250kWp to 280 kWp.

The Central Library which is housed in an area of 16,400 sq. ft has 38,290 volumes, in 10394 titles & 1249 E-journals. In addition to this Del net & National Digital Library facilities are also available. The digital library is equipped with 65 computers.

The other amenities of the college viz. Hostels, Transport facilities, Canteen, Gymnasium, Common Computing Centre, Counselling Centre etc. are rendering their service to Viswajyothi community in an appreciable manner.

With the blessings of God Almighty, motivated by our patron His Excellency Mar George Madathikandathil, Bishop of Kothamangalam and with the unstinted support and guidance from Msgr.Dr. Cherian Kanjirakompil, Manager, Rev. Dr. George Thanathuparambil, Director, The entire management team, the AICTE, Directorate of Technical Education, the Kerala Technological University and due to the team work by all staff members of Viswajyothi, Parents & Students, Our institution is marching ahead to attain our vision” Moulding engineers par excellence with integrity, fairness & human values”.

I humbly conclude and submit this report on this day 30/06/2020, with a note of immense gratitude to the Lord Almighty and Viswajyothi fraternity with an intention to continue the great work serving humanity with distinction.

Dr. Josephkunju Paul C.

Principal