  With immense pleasure let me present this Annual report before this August gathering briefing about the major achievements and new developments in the academic year 2018-2019.

The current academic year will be recorded in Golden letters in the history of our college since all our B Tech programmes got accredited by National Board of Accreditation, which is a rare honor for any Engineering College.

Viswajyothi college of Engineering & Technology Vazhakulam is an AICTE approved institute affiliated to APJ Abdul Kalam Technological University. The College offers six B. Tech programmes accredited by NBA, three M. Tech programmes and Management Studies. The college has total strength of 2127 students.

The activities of the academic year 2018-19 commenced with the Holy Mass concelebrated by Respected Monsignor Dr. Cherian Kanjirakompil, Vicar General of Kothamangalam Diocese, on 23rd July 2018. The seventh semester B Tech. classes and orientation programme for first year students started on the same date. Regular classes for first, third & fifth semester B Tech , M Tech & Management Studies commenced on 1st August 2018.

While 19 faculty members & 5 non teaching staff members were relieved, 7 faculty members & 2 non teaching staff members joined service, making the total strength of teaching staff to 176 & the non- teaching staff to 95. Another 5 teaching staff members will be retiring from service at the end of the academic year.

University Results

We do have consistently good academic results.

In the last final year out of the 547 students appeared for examination 494 students cleared all the papers of the entire B Tech programme in the stipulated eight semester period with an overall pass percentage of 90.31. Altogether our college bagged 12 Ranks in the University with Smt. Mariamol Mathew of Civil Engg. securing the 10th position; Smt.Abhirami Aji & Smt. Ashna Paul of Computer Science and Engineering securing the 4th & 5th positions respectively; Smt. Reshma Sajeev of Electrical & Electronics Engg. 8th position; Smt. Anjana Shaji,Smt. Minni Shaji, Smt. Minna Shaji & Smt. Deepa S of Electronics & Communication Engg. securing 1st,7th & 10th ranks respectively; Smt. Sonam Susan Mathew, Smt. Swathi Krishna & Smt. Manya Kurian of Information Technology securing 2nd, 3rd & 7th ranks respectively & Sri Jyothin Mohan of Mechanical Engineering securing 7th rank. Eight students qualified GATE. The results of the lower semesters were also considerably good.

The pass percentage in Management Studies was 100 with our college securing the first position in the University.

Placement

The placement process for the current year is in progress. Out of the 450 eligible engineering students registered for placement 384 placement offers have been received till date. 41 students from MBA also secured placement. Our major recruiters are: Infosys, TCS, IBS, South Indian Bank, The Federal Bank, Tata Elixsi, HCL,L&T Valves Indoshell, Tech Mahindra, ITC InfoTech, UST, Tata Communications, Cognizant, ELGI etc.

Students Achievements

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

Students of S8 Civil Engineering Sri Ajith P.S, Ajith P.Shaji, Abin Baby,Jijo Thomas & jimson Elias won Fab Lab and Mentorship support in Idea Fest-2018 conducted by Kerala Startup Mission.

Sri Eby Thomas & Chackochi of S2CSE won second prize in Online Treasure Hunt; Grace Maria & Ginu Mary George of S4 CSE won 1st & 2nd prizes respectively in the event Test your Memmory in Intercollegiate Techfest conducted at Amaljyothi College of Engg. Kanjirapally.

Sri Jevin Jojo and Ashwin Sajeev won 1st prize in the event Singularity Word Hunt & Elson Jose & Nihal Nas of S2CSE secured second prize for Technical Quiz in Intercollegiate Technical festival conducted at MACE, Kothamangalam.

Sri Govind V.Shenoy of S4 CSE won first prize in the event “Buzzer Round”, Rahul J of S4 CSE won 1st prize in the event Blind Coding & Jithin Babu of S4 CSE won the 1st prize in Web page Designing in Intercollegiate Tech fest at CET, Trivandrum.

Sri Jetson Joseph of S4 CSE won 2nd prize in Best Engineer, Intercollegiate Tech fest at MACE, Kothamangalam.

Sri Akash Philip & Athul Johns won 3rd prize in Prayudh, Intercollegiate CSI-fest.

Sri Amitha Mani & Sean Santhosh Joseph secured 1st & 2nd prizes respectively for coding & coding ninjas in intercollegiate competitions at Al Azhar Engg. College.

Sri Jeffin Emmanuel Jose of S8 EEE received an award of $2,000/- for STEM from Western Digital Scholarship. (Science, Technology, Engineering & Mathematcs)

Sri Prinson Baby of S8EEE received startup grant of Rs: 10,000/-from Jiva Business & Incubation centre.

Sri Akash Prakash, Shrine Sabu, Basil Eldhos & Manas Titto of S2EEE won outstanding performance award in IOT Challenge-2019 organised by IIIT Bombay.

Sri Philip Thomas, Anand H & Kevin Mathew of S4 EEE won first prize and a cash award of Rs: 50,000/- in Hardware Hackathon held at FISAT Ankamaly.

Sri Shrine Sabu of S2 EEE won first prize in Student Hack held at MACE, Kothamangalam.

Sri Ayyappa Das of S2 EEE won second prize in REWIRED held at MACE, Kothamangalam.

Sreehari S & Jobin Sunny of S8ECE received second prize for Intercollegiate quiz competition conducted by Society of Energy Engineers & Managers.

Sri Ceril Joserph & Basil Martin Tom of S6 ECE received first prize in Ardu Hacker held at MACE, Kothamangalam.

Smt. Gayathri Suresh of S4 ECE along with her batch mates, Shan Babu, Kiran Shaji Augustine & Allen P.Biju of S4 CSE launched a startup Company, Technocart Innovations Pvt. Ltd.

Smt. Alitta Liya Manuel of S8 ECE secured the 3rd place in Shot-Put, Women in KTU Athletic Meet.

Sri Abraham George M of S8 ECE was one among the 16 persons reached the final round of “Design Challenge” conducted by American Society of Mechanical Engineers at David Lawrence Convention Centre, Pittsburgh, USA.

The project work entitled “Self Propelling Wearable Device for Divers” done by S8 Mechanical Engg. Students Sri Vishnu K.S,Anuroop P.A & Linto P. Anto was selected as the best Idea in IDEA FEST 2018 conducted by Kerala Startup Mission and received a cash award of Rs: 17,500/- for developing the prototype.

The project work entitled “Prevent Reverse Flow of Blood In The Drip of Patients” done by Sri Akhil Davis, Ajay shaju & Thomaskutty Thomas of S8 Mechanical Engg.was selected as the best Idea in the event Yuva Mastermind Season 9, organized by Malayala Manorama & Amaljyothi Startup Valley.

Sri Sanil Cyriac Mathew, Sachu Sivaram, Jemt K.Shaju & Paulose Benny of S8 Mechanical Engg. received the “Hero of the Boot Camp Award and a cash prize of Rs: 50,000/- at Kerala Startup Mission Boot Camp.

Sri Akhil Shaji of S6 Mechanical Engg. secured first position in best actor competition held at Providence College of Engg., Chengannur.

Mahima Krisnan of S7 IT secured High Commendation Award in International Consortium on Global Climate and Child Rights week organized by UNAI, TKM Engineering College Chapter.

Our Basket- ball team emerged as winners in intercollegiate basketball tournament conducted at VJCET, while our Cricket team was the runners in intercollegiate cricket tournament conducted at M.A College of Engg. Kothamangalam.

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. The onam celebrations which is regularly conducted was cancelled this year due to the devastating flood and the amount set apart for it was donated to various flood relief operations.

The election to the student's council of the college was held on 10th August 2018. Sri Adarsh Mathew of S5 CE, Remya Krishna R of S5 CSE and Sri Anandhu Krishna of S5 IT were elected as Chairman, Vice Chairperson and General Secretary respectively. The swearing in ceremony was on 14th August. The college council was formally inaugurated on 9th October 2018 by Hon'ble Retd. Justice Cyriac Joseph

The Technical festival of the college Bodhi-19 was conducted on 20th & 21st March 2019 which was inaugurated by Sri Sreedharan Radhakrishnan Nair, Managing Director-Team Frontline Ltd.. Various competitions at the intercollegiate level on project presentation, paper presentation, Auto Show etc. were organized during the Technical festival.

The arts festival of the college Drishya- 19 was celebrated on 22nd & 23rd March 2019. The event was inaugurated by famous Playback Singer Sri K.S Harisankar. Competitions on different events both at college level & Intercollegiate level were held in connection with the arts festival.

The annual sports meet Drona – 2019 was conducted on 15th & 16th February 2019. The meet was inaugurated by Sri. Samson, SI of Police, Muvattupuzha.

The 10th All Kerala Inter Collegiate Basket Ball tournament, Magnum-2019 was conducted on 19th, 20th & 21st March 2019. The tournament was inaugurated by Sri. Sejin Mathew, Captain – Indian Youth Basketball . In order to keep pace with the rapidly changing technological developments all departments of the college organized various programmes

Civil Engg. Department

Civil Engineering Association was inaugurated by Dr. Solly George Principal, MACE Kothamangalam on 29th October 2018.

An International Conference on “Emerging Vistas in Civil Engineering was organized.

An International Conference on “Emerging Vistas in Engineering & Management was organized in association with the Mechanical Engineering department of the college.

Organised a workshop on Fab Lab.

Arranged a workshop on “Value Engineering”

Arranged 33 technical talks with experts from both inside &outside the college.

Smt. Shine George – HOD was nominated as Team member at Calicut District Administration for development of IT platform for PDNA, and also as a member of technical committee for the approval of projects to UGC at Sree Sankara University of Sanskrit, Kalady.

Sri Abhijith R, Assistant Professor of the department was inducted in the Editorial Board of “International Journal of Civil Engineering & Applications, and as a Reviewer of Management System, International journal of Creative Research Thoughts.

Computer Science & Engineering

The computer Science and Engineering Association was inaugurated by Dr. Vineesh K.P, Professor, NIT- Calicut

Conducted an FDP on “Embedded Systems & Data Mining”& another FDP on “Frontiers of Computer Applications”.

An International Symposium on “Databases” was organized.

Organised more than 13 technical talks in the related area.

Dr. Anishin Raj M.M of the department was nominated as the recognized Guide of KTU, as Chartered Engineer by Institution of Engineers India and also a Reviewer of Springer International Journal.

Faculty members of the department Sri Amel Austine, Smt. Neenu Daniel, Sri Andrews Jose, Smt. Dona Jose & Sri Basil Baby published papers in International Journals.

Electronics & Communication Engg. Dept.

The Electronics & Communication Engineering Association was inaugurated by Sri Shalu Thomas, CEO Digital Core Technologies Pvt. Ltd. on 4th October, 2018.

Organised a National Conference on VLSI, Signal Processing & Communication.

Conducted one week FDP on Computer Architecture & Data Communication.

Organised a series of workshops on Fab Lab for both faculty members and students from within and outside the college.

Conducted Intercollegiate competition on Idea fest & Project Idea presentation.

Altogether the department organized 12 workshops & 7 expert talks.

Organised the fourth annual lecture of Rev.Fr. Thomas Malekudy Endowment lecture Series.

Electrical & Electronics Engineering Dept.

The Electrical & Electronics Engineering association was inaugurated by Sri.

C.P. George, Deputy Chief Engineer-KSEB on 1st October 2018.

Dr. K .K. Rajan & Dr. B Aruna of the department along with Sri Vinoj, HOD- Mechanical Engineering department were awarded Rs: 29 lakhs for the research project on “Development of Lead-Lithium to Helium Heat exchanger & Circulation Type Electrical Heater for Heat Exchanger Test Facility” by Board of Research in nuclear Science.

Organized National Seminar on “Advancements in Power System Technologies”

Conducted an AICTE- sponsored FDP on “Advancement in Electrical Machines & Industrial Automation”.

Dr. K.K.Rajan is appointed as Chairman of Board of Subcommittee of Nuclear Power Corporation of India for monitoring ongoing nuclear power projects.

Organised a seminar on “Electrical Safety & Energy Efficiency” for the Housewives of Avoly Grama Panchayath

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

The department successfully completed the Electrical Renovation work of a destitute home in Madakkathanam near Muvattupuzha.

Information Technology

The Information Technology Association was inaugurated by Smt. Priya Dominic, Project Manager,TCS, Kochi on 5th October 2018.

Organised National Conference on “Latest trends in Engineering Computational Methods”.

Conducted a National Seminar on “Computer Networking:Scopes & Challenges in Engineering and Technology”

Faculty members of the department Smt. Anju Susan George, Smt. Diana Baby, & Smt. Juliet A. Murali presented Papers in International Journals.

Mechanical Engg. Dept.

The Mechanical Engineering association was inaugurated by Dr. Madhusudanan Pillai V, Professor & HOD, School of Management Studies on 17th Sepember 2018.

Conducted an International Symposium on “Innovative Engineering Paradigms”.

Gyanoday-18, special outreach training programme based on Auto CAD designing software was arranged for students of Technical Higher Secondary School- Varapetty..

Udyoga-18, A Technology enrichment programme was arranged for Kudumbasree Officials of Avoly Grama Panchayath.

Dr. Sajan T.John, Assistant Professor of the programme was selected as Research Supervisor under APJ KTU, also selected as the Expert Advisor in the logistical modeling for DST funding of Architecture department

Dr. Joby George completed his PhD from NIT Trichy.

Dr. Sajan T.John & Dr. Joby George delivered expert talks in outside institutions.

Faculty members of the department Dr. Shunmugesh K, Dr. Joby George, Sri Vinoj K, Sri Nibin B, Sri Jerry Varghese, Sri Sri Eldhose Kurian, Sri Nidheesh K, Sri Unnikrishnan T & Sri Abin Paul published papers in either International Journals or International Conferences.

Arranged more than 10 expert talks & workshop in the relevant areas

Management Studies Department

The Management Studies Association was inaugurated by Sri George Antony, Non Executive Chairman; UAE Exchange on 12th October 2018.

Organised an International Colloquium on 'Strategic frame work for Startups”

An International Seminar on “Germany and European Union after financial Crisis was conducted.

Organised a National Conference on “Invasion of Technology in Marketing & Society”.

Arranged a series of expert talks & workshops in the relevant areas.

In addition the majority of faculty members from all departments attended faculty development programmes & 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, IEEE, NPTEL etc. have also rendered valuable services.

ISTE

The ISTE chapter of the college consists of a faculty chapter with 110 life members and student chapter having 882 members. The chapter organized various programmes like Seminars & Workshops on PCB Design, Machine Learning, Digital Fabrication, Embedded System and Data Mining, FDP on Frontiers of Computer Science Etc.Various technical talks and career guidance & counseling support for students. This was achieved by the team work of Secretary Sri Prince Kurian, Joint Secretary Sri Krihnendu & Trasurer Smt.Sabitha Raju.

III Cell & IEDC

Realising the necessity of effective interaction between Industries and the importance of promoting Innovation & Entrepreneurship skills among students III Cell & IED cell of the college with Dr. K K Rajan as the faculty in charge. organized various programmes which include

An Idea fest was conducted at the college level and a financial support of Rs:5,000/- was provided to the shortlisted students.

Technical talks and internship programmes for were arranged for students

V-BIC, Viswajyothi Incubation Centre was started in an area of 3,000 sq. ft.

The UNAI Chapter of Viswajyothi has also organized various programmes like Medical diagonistic camp, orphanage visit, support flood affected victims, orientation workshops, charity works etc.

CSI

The CSI chapter of the college headed by Smt. Arsha J.K, organized various workshops programmes like workshops on IOT,PHP,Advanced Technologies, etc.; technical talks on Design Thinking, Software Engineering, Latest Trends in Digital Communication etc. The chapter also organized competitions at National level for Hackathon, project presentation & Quiz competition. Our Chapter was selected to host the State level Convention.

IEEE

The IEEE chapter of the college is a dynamic body under the guidance of faculty members Sri Anish M. Jose & Sri Sivadas T.Nair. The Chapter organized various programmes like workshops, orientation classes etc. for IEEE members both at college level and at hub level. The major programmes arranged include Minerva-4.0, a workshop arranged at the Hub level & an Intercollegiate Seminar contest in association with KSEB Officers Association.

NPTEL

The NPTEL VJCET Chapter with faculty-in-charge Sri Shibu K.R arranged various guest lectures both for faculty members and Students viz. Block Chain, Soft Computing, DBMS, Programming in C++, Embedded System & Data Mining etc. to bridge the gap in the curriculum. The chapter also conducted Spoken Tutorials for students. Several faculty members as well as students obtained NPTEL Certification.

NSS

The NSS unit of the college under the leadership of faculty members Sri Sharone Varghese, Sri Nibin B, Smt. Anitta Thomas & Smt. Vineetha Thankachen has rendered remarkable services to the society. The major activities are

Organised blood donation camps & awareness on blood donation.

Arranged Stem Cell donation Awareness talk & donor registration drive.

Punarjini- seven days special camp was conducted at Govt. Thaluk Hospital- Thodupuzha, where our Student volunteers repaired & painted various hospital equipments worth Rs:25 lakhs.

As part of the Swatch Bharath Abhiyan our NSS volunteers conducted cleanliness drive at various locations in Avoly Panchayath, nearby schools and at various other places on different dates.

The IMA Thodupuzha Unit selected the NSS Unit of our college as the Best Camp Unit.

Sri Anuroop P.S of S8Mechanical Engg. donated Stem Cell to a needy Patient. He is one among the only 5 Stem Cell donors from Kerala State.

During the last floods more than thousand of our students participated in various flood relief operations lasting for one weeks in various parts of the State.

Our Management & Staff members donated about Rs:10 lakhs for various flood relief operations.

In addition to these the NSS volunteers of the college undertook the work of cleaning Govt. Hospital & KSRTC Bus Stand at Muvattupuzha. They also rendered services to the nearby schools in setting up Biodiversity Park.

Alumni

The Alumni association of the college with Secretary Sri Arun K.R, has more than 6000 members. In addition to the parent chapter we have chapters at Kochi, Thiruvanthapuram, Chennai, Bangalore, Qatar & UAE. The UAE Chapter was inaugurated on 25th January 2019 at Hotel Grand Excelsior Bur, Dubai. These Chapters are extending all support to the parent chapter. The annual general body meeting of the alumni association was held in the college on 21st July 2018. The alumni association is motivating the students by conducting technical talks in each departments and internship fair. The association has instituted a cash award of Rs: 3000/- for the best final year project from each branch.

Women's Cell

The women's cell of the college under the guidance of Smt. Merlin Thomas is doing everything possible for the benefit of the ladies of the college. The cell organized various programmes for the upliftment of girl students. As per the instruction from the National Commission for women a quiz competition was conducted to assess and enhance awareness about legal rights of women. The women's day celebrations was conducted on 15th March 2019.

The R& D Cell headed by Dr. Anishin Raj has extended all support to the all the departments in getting various funded projects. The Cell also arranged workshops on Fab lab, 3D Printing, Project Idea Fest etc.

The Eco, Nature & Photography Club under the guidance of Sri Eldhose Paul and Sri Krishnendu have extended their sincere efforts in doing everything possible in the relevant areas, which include photography contests & photography competitions.

PTA

We are proud to announce that out College has an active PTA with President Sri Baby John renders all support to the institute for its smooth functioning. The PTA has extended financial assistance for enhancing the facilities of the main auditorium& mini auditorium.

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 and mock interviews & GATE Coaching for students.

PMKVY & German Language Classes

As a part of our Social Commitment we have started two programmes during this academic year viz; PMKY & German Language Classes.

PMKY program aimed at imparting various skills to the common people was inaugurated on 13th November by Sri P.J. Joseph, ex Minister & MLA of Thodupuzha. Altogether 61 students enrolled for the 3 courses viz. CNC Operator Turning; Assistant Electrician & Junior Software developer. The Programme is progressing smoothly under the leadership of faculty- in - charge Sri Arun K.

The first batch of German language classes commenced on 4th February with 82 students. All these students are with nursing background. The second batch started on 4th April. The classes are being handled by dedicated team under the leadership of Smt. Jessy Mathew which includes German Nationals also.Scholarship

Meritorious students are awarded central sector scholarships and minority scholarships to the tune of Rs: 87,66,000/- ( Eighty seven lakhs and sixty six thousand) apart from the scholarship awarded by the management which amounts to Rs. 1,99,22,510/- (One crore ninety nine lakhs twenty two thousand five hundred and ten only).

Infrastructure

The capacity of the solar power plant is being enhance from 50kWp to 250 kWp.

The Central Library which is housed in an area of 16,400 sq. ft has 38,211 volumes, in 10,380 titles, 88 printed International Journals & 1460 E- journals. In addition to this dell 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, CCC, Cafeteria, Reprographic Centre, Counseling 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 7th May, 2019, 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,

Viswajyothi College of Engineering & Technology, Vazhakulam.