

VIMAL JYOTHI ENGINEERING COLLEGE

Jyothi Nagar, Chemperi PO, Kannur, Kerala India, 670632

ANNUAL REPORT

2019-2020

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing catholic minority institution aiming at generating a fervor for Engineering and Technology in students. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology.

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

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

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

We are delighted to share with you the Annual Report of Vimal Jyothi Engineering College for the year 2019-20. In the dynamic realm of education, Vimal Jyothi Engineering College remains a steadfast symbol of wisdom, creativity, and exceptional achievement. This report chronicles our voyage, milestones, and the extraordinary advancements we've achieved in moulding the landscape of engineering education for the future.

In the 2019-20 academic year, the Vimal Jyothi Engineering College (VJEC) received recognition from the All India Council for Technical Education (AICTE) for a total of 540 seats across various engineering branches. However, despite this allocation, the college enrolled only 420 students during that year. An impressive 169 students were successfully placed in various job opportunities, reflecting a strong emphasis on student employability and career prospects at VJEC. This data underscores the college's commitment to quality education and its efforts in equipping students with the necessary skills and knowledge to secure gainful employment in their chosen fields of study.

In the following pages, comprehensive information about our academic programs, research initiatives, collaborations, student achievements, and the various outreach activities that have made a positive impact on our local and global communities, are presented. Moreover, this report reflects our financial stewardship and the responsible use of resources, ensuring transparency and accountability to all our stakeholders.

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

ANNUAL REPORT 2019-20

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION:

Department of Electronics and Instrumentation Engineering was started in the year 2005. The department offers UG course, B.Tech in Applied Electronics and Instrumentation . And is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU).

ADMISSION

Academic Year	Sanctioned Intake	Actual Intake
<u>2019-20</u>	<u>30</u>	<u>22</u>

RESULT

Academic Year	No: of students Graduated
2019-20	7/30

DEPARTMENTAL ACTIVITIES:

- Conducted **Second International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT-2k19)** on 5 th & 6 th July 2019. The conference was inaugurated by Dr. RAJASREE M S, honorable vice chancellor, Dr APJ Abdul Kalam Technological University.
Conference Coordinator: Dr. G Glan Devadas

- AICTE Sponsored 6 days Short Term Training Programme on **ENGINEERING EDUCATION A TRANSDISCIPLINARY APPROACH IN ENGINEERING** from 16th July '19 to 21st July '19 Coordinated by Dr. G Glan Devadas.
- 7th semester & 3rd semester students of Department of Electronics & Instrumentation visited EXCEL ENTERPRISES and FRANSTEK BELT Pvt.Ltd , Verna , Goa, as a part of Industrial visit, during 4th October to 7th October 2019
- Department of Electronics & Instrumentation Conducted a workshop on Industrial Automation using Arduino & Raspberry Pi, for S3 and S5 students of the department on 24th & 25th October 2019.
- The '**INNOVATION CHALLENGE-2K19**' was conducted by the Department of Electronics and Instrumentation on 30th November 2019.
- MOU for placement oriented training for S8 Students of AEI has been signed with Sree Technologies Chennai, a franchisee of Prolific Systems & Technologies Pvt Ltd, on 5th February 2020.
- Department of Electronics & Instrumentation conducted one day workshop on Industrial Robotics for Final year Applied Electronics & Instrumentation students on 7th February 2020. Mr. Sunil Paul, Associate Professor ME, CEO Srishti Robotics Technologies Pvt. was the Resource person. Workshop was coordinate by Ms. Divya K and Ms. Jinsa Mathew
- CHARITY PILGRIM conducted on 15th February 2020, and First year students participated and visited An Oldage home at Karunapuram.
- First phase of Placement oriented PGDA program by Sree Technologies conducted from 11th February to 15th February 2020 for final year students of Applied Electronics & Instrumentation Engineering. The program was coordinated by Mr. Abdul Latheef
- Department of Electronics & Instrumentation conducted one day workshop on Arduino Programming for First year on 9th March 2020. Mr. Shinu M M,(Assistant Professor EIE), was the Resource person. Ms. Jinsa Mathew (Assistant Professors EIE) co-ordinated the workshop.

FACULTY ACHIEVEMENTS:

- Dr V Sampath Kumar- signed an MoU with Sinpar Enterprises in association with IEDC
- Dr V Sampath Kumar- selected the model of portable mini ventilator, under APJ Abdul Kalam Technical University, evolving solution of challenges thrown by KTU to migrate the prevailing crisis in accordance with the criteria recommended by expert at SCTIMST.
- Dr. V Sampathkumar, HOD EIE designed and fabricated 360° Virus Protector and donated to Government Medical College ESI hospital Coimbatore, in fighting Covid-19 Pandemic

FACULTY PUBLICATIONS:

- Dr. V Sampath Kumar published a paper titled “**Radio Frequency Identification (RFID): A co-generation tool in Product Life cycle Management (PLM)**”, in International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-3, 2879- 2884, January 2020
- Dr. G Glan Devadhas published a paper titled’ **Design and development of new control technique for standalone PV system**’ in ELSEVIER,Volume 72 ,February 2020
- Dr. G Glan Devadhas published a paper titled “Detection of PH neutralization technique in multiple tanks using ANAIS controller, microprocessor and micro system” ELSEVIER(SCOPUSINDEX)
- Dr. G Glan Devadhas published a paper titled ‘**Non linearity mitigation and dispersion reduction using Bussgang theorem,modified MSE and improved MLE equalizers** ‘ in ELSEVIER
- Dr. G Glan Devadhas published a paper titled “**Corrosion rate of Al-Si Alloy Reinforced with B4C Nanoparticle prepared by Powder Metallurgy Method using RSM**” International Journal of Innovative Technology and Exploring Engineering (IJITEE)
- Dr. G Glan Devadhas published a paper on title “ **Increasing the coverage area using microcells in hybrid GFDM system based on ROF Technology**” , IJRET,Vol11 (Scopus),
- Dr. G Glan Devadhas published a paper on title “ **Improved least mean square algorithm for 5G signal in microwave**” - IJEAT,vol (8) (SCOPUS)
- Dr. G Glan Devadhas published a paper on title “**Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues**” International Journal of Recent Technology and Engineering (IJRTE)
- Dr. G Glan Devadhas published a paper on title “**Improved Proportional Fair Algorithm for Transportation of 5G Signals in Internet of Medical Things**” International Journal of Innovative Technology and Exploring Engineering (IJITEE).

FACULTY PARTICIPATION:

- Reema Mathew and Ms.shamya A attended faculty development program on FSDTC 'Recent trends in electric drives' during 6-9 Jan 2020 at Govt Engg college,Kannur
- Thomas MS and Jollykutty Sebastian attended FDP -"Audio and Speech Processing" during 13th-18th of Jan 2020 at Govt.Engg college, Kannur

- Mr Abdul Latheef attended FDP on School on Advanced Control System at GCE Thrissur
- Mr Shinu M M attended FDP on Mentoring and Transactional→ analysis at Saintgits college of Engineering
- Ms. Divya K and Ms. Reshma K.V attended 5 days national level workshop on Robotics at Central University of Kerala, Periya.
- Dr Glan Devadhas- attended a leadership program AICTE- UKIERI 2019
- Dr V Sampath Kumar- attended IIC 2.0 orientation session & ARIIA 2020 orientation session.

FUND SANCTIONED:

- Dr G Glan Devadhas - CSIR- Rs 50000/. & DRDO - Rs 50000/- for Conference ICICICT – 2019
- Dr. Glan Devadhas G , Navami Manoharan Harinand K Shahabas P P got 14000/. Fund from KTU for the innovative project titled '**Disaster Monitoring & Alerting System for Flood & Landslide Prone areas of Kerala state Using SCADA**'

STUDENTS ACHIEVEMENTS:

- Ms. Drishya K & Mr. Joyal Joy of 2016-20 batch achieved Honours Degree in B.tech Applied Electronics & Instrumentation
- Febin J Nalappat and Athul Prasanth of seventh semester Electronics & Instrumentation Engineering students attended **National level boot camp and exhibition** held at AICTE New Delhi on 9th to 11th September.
- Three students EIE department, Febin J Nalappat, Athul Prasanth and Aswin Sudhan and Prof. Dr V. Sampath Kumar presented **Automatic puttu making machine and Automatic broom making machine**, on National Science and Technology Fair 2019 in connection with CODISSIA.
- Mr. Aswin Sudhan, Mr. Athul Prasanth and Mr. Febin J Nalappattu of S8 EIE developed mini- Ventilator model that could serve as portable breathing assistant to support patients with respiratory problems, the idea with the guidance of Dr. V Sampath Kumar, Prof. EIE. The model is selected as one of best idea among the best five selected colleges among the 34 participated colleges under APJ Abdul Kalam Technical University.
- NPTEL exam 2019 – Joyal Joy, Febin J Nalappat, Aswad S Kumar, Neeraj K, Harinand K, Aswin Sudhan, Shahbas P P, third year students of Applied Electronics & Instrumentation Engineering Department got 100% pass.

STUDENT PLACEMENT:

- Aswin Sudhan, Dijina P, Harinand K- Castor Engineering Pvt Ltd
- Athul Prasanth, Joyal Joy , Neeraj k, Vishnu-Protocol Automation Technologies Pvt Ltd
- Navami Manoharan - Pradjna Intellisys
- Dhreshya K- US Technology International Pvt Ltd

PROFESSIONAL BODY ACTIVITIES:

- Workshop on Industrial robotics, 7-2-2020
- Workshop on Arduino Programming, 9-3-2020
- Webinar on Key to success in university exam, 20.05.2020
- Webinar on Opportunities for instrumentation engineer, 20/05/2020.
- Webinar on Leadership, Motivation & Time Management 07/05/2020.
- Webinar on An Expert Talk on Control Systems-classical, modern and Advanced,06/05/2020.
- Workshop on Arduino Programming , 09/04/2020.
- Workshop on Industrial automation Using Arduino and Raspberry pi, 24/10/2019 - 25/10/2019

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF MECHANICAL ENGINEERING
ANNUAL REPORT 2019-20

ADMISSION AY 19-20 FIRST YEAR

SANCTIONED INTAKE: 120
NO OF STUDENTS ADMITTED: 67

RESULTS 2016-20 BATCH

NO OF STDENTS REGISTERED: 121
NO OF STUDENTS GRADUATED: 94

NATIONAL/INTERNATIONAL CONFERENCES ORGANIED:

“International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” on 11th & 12th July 2019.

WORKSHOPS CONDUCTED:

1. 05 Days Skill Development Workshop on CNC Programming & Operations of CNC Lathe from 02-07-2019 to 06-07-2019.
2. One day workshop on ‘supply chain operation simulation’ for final year students on 02-11-2019.
3. One day workshop on ‘Introduction to stress-strain analysis using FEM Software’ for second year Mechanical Engineering students on 16-11-2019.
4. Two-day workshop on CYCLE TEMPO, a software tool to design and analyze thermodynamic systems. The two days workshop was conducted for second and third year Mechanical Engineering students and faculty of the department on 07-03-2020 and 08-03-2020.
5. The Department of Mechanical Engineering in association with the Acuwin Innovations Pvt. Ltd organised a five days workshop on ‘Creo Modelling Software’, as part of evolving the skillset of final year students, on 26th & 27th Oct 2019 and from 13th to 15th Nov 2019.
6. IIT Bombay X- VJEC Cell at Department of Mechanical Engineering coordinated workshop on C and C++, on 15-02-2020.
7. The Department of Mechanical Engineering conducted a two-day workshop on CYCLE TEMPO, a software tool to design and analyze thermodynamic systems. The two days workshop was conducted for second and third year Mechanical Engineering students and faculty of the department on 07-03-2020 and 08-03-2020

SEMINARS/TECHNICAL TALK CONDUCTED:

1. One day Seminar on the topic 'Sustainable Development Goals' for final year students on 27-09-2019. The session was handled by Dr. Benny Joseph (Principal, VJEC).
2. Invited talk on 'Entrepreneurship Journey' by Mr. M T P Mohammed Kunhi, Managing Director, Sulfex Mattress Company, Kannur on 4th October 2019.
3. One day seminar on 'Research Methodology' for final year Mechanical Engineering students on 14-11-2019.
4. Online technical talk on "3D Printing Technology, Its Applications - FDM/FFF Parameters Explained" using Google Meet for third year Mechanical Engineering students on 29th April 2020.
5. Webinar on 'Fundamentals of Computational Fluid Dynamics' for 4th semester Mechanical Engineering students on 7th May 2020.
6. The Department of Mechanical Engineering together with Alpine Coach Tree (ACTMEP), Kannur, conducted a two hours seminar on Knowledge Enhancement on MEP for final year Mechanical Engineering students on 02-11-2019.
7. The Department of Mechanical Engineering together with Riya Education organized a seminar on 'Opportunities for Higher Studies Abroad' for final year Mechanical Engineering students on 07-02-2020.
8. IIT Bombay X- VJEC Cell coordinated "Rendezvous with Lori Beer, CIO JP Morgan Chase" at Vimal Jyothi Engineering College, Chemperi which is a remote centre. This course was conducted on 5th November 2019.

TRAININGS ORGANISED:

1. 05 Days Summer Internship Training on CATIA 3D Modelling software for S6 ME Students (2016-20 batch) from 19 June 2019 to 23 June 2019.
2. The Department of Mechanical Engineering, VJEC in association with Kriatech Services Pvt. Ltd, Chennai, conducted a five day training on 'CNC Programming and Edgcam Software' for fifth semester Mechanical Engineering students on 19-11-2019.

CAMPS ORGANISED:

1. 05 days BOOT camp and induction programme for first year students (2019-23 batch) from 24 June 2019 to 28 June 2019.
2. The Department of Mechanical Engineering in association with EDII, Ahmedabad (under NIMAT ,DOT, Govt of India)and organised an Entrepreneurship Awareness Camp for students from 5th to 7th March 2020. An industrial visit to Sulfex Mattress Dharmasala, Kannur, was also organised for the participants.
3. The first year mechanical engineering students along with other first year batches, class tutors and management representatives, participated in the Charity Pilgrim on 15th February 2020.

MEETINGS ORGANISED:

1. The first PTA Meeting of the academic year was conducted by the Department of Mechanical Engineering from 16th to 19th September 2019 for all the semesters.
2. Alumni of the department participated in the College Alumni Meet 2K19 'Oruvattamkoodi', conducted at St. Mary's Church Auditorium, Taliparamba on 12 Oct

2019. The alumni association and college management appreciated Mr. Anuraj Manohar, our alumni and the director of the film “Ishq”.
3. The fourth Department Advisory Board (DAB) meeting was held on 1st January 2020. The meeting constituted the representatives from the Management, industries, alumni, faculty, parents and students.
 4. Online PTA meeting was conducted for all the semesters on 16th, 17th and 18th April 2020. About eighty five percentage of parents, including those from abroad, utilised this opportunity to interact with faculty.

PAPER PUBLICATIONS/PRESENTATIONS

1. Mr. Aji Augustine (Assistant Professor, Department of Mechanical Engineering, VJEC), presented paper on **‘Mechanical Behavior of Sea shell-Glass epoxy composites’** in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
2. Mr. Gokulnath R (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Forced Convection aided Solar Dryer’** in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
3. Faculty of our department Mr. Appu Kuryan (Assistant Professor), Mr. Rameshan K P (Associate Professor) and Mr. Ryne P M (Associate Professor) published paper on **‘Experimental Analysis and Effects of Gasoline as an Additive in Compression Ignition Engine’** in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Volume-8 Issue-10, August 2019.
4. Mr. Alex George (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Review on Reliability Analysis of the Wind Turbine Blades in Power Generation’** in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
5. Mr. Melbin Benny (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Vapour Absorption Refrigeration System for Cold Storage & Power generation in Automobiles using exhaust gas’** in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
6. Mr. Lince Thomas (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Design Fabrication and Performance Improvement of Solar Still. Combined with Flat Plate Collector’** in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
7. Mr. Denny J Ottarackal (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Study of microstructure and mechanical properties of friction stirwelded al6061-sicp metal matrix composite joints’**, in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
8. Mr. Binoy Poyili (Assistant Professor, Department of Mechanical Engineering, VJEC) presented paper on **‘Application of Electrocoagulation in Canteen Waste Water**

Using Aluminium and Steel Electrodes in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.

9. Mr. Shamin Muth K K, Mr. Niyas K M, Mr. Dilin Dinesh (Assistant Professors, Department of Mechanical Engineering, VJEC) presented paper on ‘**Experimental Investigation on Recovery of Hydrocarbon Liquid from E-waste by Thermal Pyrolysis using a fixed Bed Batch Reactor**’ in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
10. Mr. Shaji George (Assistant Professor) and Mr. Rameshan K P (Associate Professor) presented paper on ‘**Design of a Mixed Flow Centrifugal Pump Impeller Using CFD**’ in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
11. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC) presented paper on ‘**Tribological behaviour of magnesium alloy prepared through powder metallurgy**’ and ‘**Response Surface Methodology of Cu-Cr-ZrC nanocomposites by powder metallurgy method**’ in “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” conducted by the department on 11th & 12th July 2019.
12. 14. Dr. P Sridharan (Associate Professor, Department of Mechanical Engineering, VJEC), presented paper on ‘**Grid frequency regulation by hybrid system using energy storage system**’ in *Indian journal of power and river valley development* ,Volume 69 No. 7 & 8 Year 2019.
13. Dr. Christopher Ezhil Singh. S (Professor, Department of Mechanical Engineering, VJEC), *along with* Sango.S.L , Brucely.Y, Sankar.C, Mary Little Flower.T, Smitha.R, Krishna Sharma.R published a journal paper on ‘**Biomass Densification of Artocarpus Heterophyllus Leaves Powder and its Mechanical Properties Using Response Surface Methodology**’, in "*Interiencia*" (2019) Vol. 44 (8) 0.28, SCI & Scopus Indexed.
14. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC) published paper on ‘**Surface structural features and wear analysis of a multilayer Ti-6Al-4V-B₄C thin film coated AISI 1040 steel**’, *Materials Research Express* – IOP Science, Vol.7, No.1, pp. 1-17, I.F:1.449.
15. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC) published paper on ‘**Wear and Corrosion behaviour of Ti-based Coating on Biomedical Implants**’, *Surface Engineering (Taylor and Francis)* Vol.36, No.4, pp. 1-10, I.F:2.229.
16. Dr. Sridharan P (Associate Professor, Department of Mechanical Engineering, VJEC) published paper on ‘**A Controllable Window Function for modelling nonlinearity of a HP memristor model resultant from sigmoidal behaviour of memristive method**’, *Studia Rosenthaliana* (Journal for the study of research- web of Science group) Volume XII, Issue II.
17. Dr. Christopher Ezhil Singh. S (Professor, Department of Mechanical Engineering, VJEC), *along with* Sango.S.L , Brucely.Y, Sankar.C, Mary Little Flower.T, Smitha.R,

Krishna Sharma.R published paper on ‘**Thermal Degradation on Biomass Briquettes Of Artocarpus Heterophyllus Leaf Powder**’ in *Interiencia*.

18. Dr. P.Sridharan (Associate Professor, Department of Mechanical Engineering, VJEC), published a paper on ‘**Fuzzy based Vibration Control in Small Hydroelectric Power Plants**’ in *IJRAR* June 2019, Volume 6, Issue 2.
19. Dr. P Sridharan (Associate Professor, Department of Mechanical Engineering, VJEC) published paper on ‘**Radio Frequency identification (RFID): A co-generation tool in Product Life Cycle Management (PLM)**’ in *International Journal of innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Volume-9 Issue-3, January 2020.
20. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC), D. Rajeev, C. Sankar, D. Dinakaran, S. Ajitha Priyadarsini published paper on “**Minimizing MRR During Turning of AISI 4140 Steel with the Selected Process Parameters by Optimization**”, *Journal of Mechanics of Continua and Mathematical Sciences*, Vol.-15, No.-3, pp. 158-167.
21. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC), D. Rajeev, , D. Dinakaran, G.Glan Devadhas, S.Ajitha Priyadarsini, published paper on ‘**Optimization Tool Wear on Hard Turning of AISI4140 Steel with Coated Carbide Tool Cutting Conditions**’, *IJITEE*, Volume-9 Issue-5, pp. 2051-2054.
22. Dr. Sreekanth M P (Assistant Professor, Department of Mechanical Engineering, VJEC), Ranganathan, R. and Pugalendhi, A. (2020) published paper on ‘**Individual customization strategy accomplished by developing prototype of a laparoscopic forceps handle using additive manufacturing**’ in *Rapid Prototyping Journal*, DOI: 10.1108/RPJ-06-2019-0157
23. Dr. S. Christopher Ezhil Singh (Professor, Department of Mechanical Engineering, VJEC), Paramesh Chamble, M. R. Bharath, K. Loksha published paper on ‘**Machine tool vibration on dimensional accuracy and surface roughness during milling operation of Al6082 with indexable carbide inserts**’ in *Journal of Applied Research and Technology* 18 (2020) 69-76.

FDPs/STTPs ORGANISED:

One Week Faculty Development Programme On “Emerging Areas in Nanomaterials and its Application” sponsored by APJ Abdul Kalam Technological University, Kerala from 24 June 2019 to 28 June 2019.

FDPs/STTPs ATTENDED:

1. Mr. Appu C Kuryan attended a FDP on ‘Mentoring and Transactional analysis’ at Saintgits College of Engineering Kottayam, from 3rd Dec 2019 to 7th Dec 2019.
2. Assistant Professors of the Department Mr. Aji Augustine, Mr. Johny P Joseph, Mr. Alex George, Mr. Gokulnath R and Mr. Jerin Saji, enrolled for the AICTE recommended online training by ‘The National Institute of Technical Teachers Training and Research (NITTTR)’ under ‘SWAYAM’ in the month of April 2020.

MOUs SIGNED:

The Department of Mechanical Engineering of Vimal Jyothi Engineering College, Chemperi signed a MOU with Sulfex Mattress Company, Kannur.

DEPARTMENTAL ACHIEVEMENTS:

1. The Department of Mechanical Engineering represented itself in the Keralolsavam, a village game show hosted by Soorya TV at Eruvesi Grama Panchayat on 28-09-2019.
2. 'Nightingale-19 robot' is developed by a team of professors and students including Mr. Sunil Paul (Associate Professor, Department of Mechanical Engineering, VJEC) and Dr. T D John (Professor, Department of Mechanical Engineering and dean research, VJEC). It could provide the patients in the hospital with meals, water and even a chance to communicate face to face, virtually with the doctors who are treating them. This project is implemented at Anjarakkandy Medical College and Thalasseri General Hospital for assisting doctors and medical workers in COVID-19 treatment in the months of April and May 2020
3. A team of professors and students including Mr. Sunil Paul (Associate Professor, Department of Mechanical Engineering, VJEC) and Dr. T D John (Professor, Department of Mechanical Engineering and dean research, VJEC) developed 'Electric Mobile Kiosk'. This could ensure the safety of doctors, nurses and health workers at hospitals and in public places such as airports, regarding COVID -19 testing. The inauguration was conducted on 8th May 2020.
4. The department, with the intention of supporting students in their studies during lock down period, conducted online live classes, issued online assignments and conducted online exams from March 2020. Online class committee meetings were also conducted during this period.
5. Received funding of Rs 40, 000/- for Entrepreneurship Awareness Camp by Department of Science & Technology (DST)- National Implementing and Monitoring Agency for Training (NIMAT) with Cdr(retd) Raju K Kuriakose (HOD, ME) and Dr.Sridharan P as coordinators.

FACULTY ACHIEVEMENTS:

1. Dr. T D John (Professor, Department of Mechanical Engineering and dean research, VJEC) and Mr. Sunil Paul (Associate Professor, Department of Mechanical Engineering, VJEC) were a part of the team of professors and students who were involved in the development of 'Nightingale-19 robot' and 'Electric Mobile Kiosk' for COVID-19 treatment and testing.
2. Cdr(retd) Raju K Kuriakose (HOD, ME), Mr. Denny J Ottarakal, Mr. Dilin Dinesh, Mr. Gokulnath R, Mr. Hari Prasad, Mr. Jestin C Jose, Mr. Jithin Mon T V, Mr. Johney P Joseph, Mr. Mejo Francis, Mr. Melbin Benny, Mr. Niyas K M, Mr. Shaji George and Mr. Shamin Muth K K of Department of Mechanical Engineering, received awards for producing outstanding result in the KTU exams held in April/December 2018. The awards were distributed on 24-07-2019.

3. The faculty members of the Department of Mechanical Engineering attended the KTU sponsored five days faculty development programme on 'Emerging Areas in Nano materials and its Application', which was conducted by the Department of Mechanical Engineering, commenced on 24th June 2019.
4. Dr. Sreekanth M P, Assistant Professor, Department of Mechanical Engineering, VJEC, secured his PhD Degree in the field of Additive Manufacturing from Anna University.
5. Dr. Sreekanth M P, Assistant Professor, Department of Mechanical Engineering delivered a technical talk on "Additive Manufacturing" at Ammini College of Engineering, Palakkad on 02 March 2020.

STUDENTS ACHIEVEMENTS:

1. Mr. Ashwin Ramesh Babu, Mr. Ashwin Thomas, Mr. Amal VM, Jimson P S and Mr. Vaishagh Menon of final year Mechanical Engineering, got nominated to attend sixth edition of the Dilli Series seminar held at Indian Naval Academy, Ezhimala on the 17th and 18th of October 2019.
2. Mr. Kiran Mathew and Mr. Sonu T Shaji of S7 ME (2016-20 batch) from achieved the first and third positions respectively, in Pixel videography contest of which the registration began on 05-09-2019.
3. Mr. Prince Prasad, eighth semester Mechanical Engineering student, was provisionally selected for APJ Abdul Kalam Technological University SOFTBALL (M) team which participated in the South Zone Inter University Tournament held at YOGI VEMANA University from 08th to 12th January 2020.
4. Many students from third and fourth year of the department got SAE membership.
5. Mr. Milan S Chalil of S2 ME secured third place in High jump (1.71 m) in KTU Intercollegiate Athletics Championship held at University stadium Trivandrum on 5th, 6th and 7th Feb 2020.

PROFESSIONAL BODY ACTIVITIES:

1. SAE club vehicles (Students Projects) were elected as the stars of Chemperi during the "Keralotsavam", a Surya TV program held at Chemperi on 28 Sept 2019.
2. The E kart team from our department participated and received awards in the INDIAN KARTING RACING (IKR) which is a student Go-Kart design and manufacturing competition. The team EXOUSIA and team RHINO successfully completed the event and won the lightest weight and future award.

PLACEMENTS:

1. Mr. Samrood Abdul Wahab, of final year Mechanical Engineering, got a placement offer form IBS with CTC of Rs. 3.36 LPA.

2. Mr. Adarsh Mohan and Mr. Amith P, of final year Mechanical Engineering, got placed in FEDERAL BANK with CTC of Rs. 4.25 LPA.
3. Mr. Kiran Mathew, Mr. Arun Mathew, Mr. Aswin T Aravind, Mr. Mathews Fred Mr. Athul Nandan, Mr. Leo Vinoy, Mr. Anoghlal C, Mr. Hariprasad B, Mr. Nabeel Hakeem, Mr. Adarsh Mohan, Mr. Vivek M K, Mr. Thejus K and Mr. Sreeraj V , of final year Mechanical Engineering, got placed in ACCENTA EDUCATION with CTC of Rs. 1.50 LPA
4. Mr. Jasin Murali J, Mr. Kiran Mathew, Mr. Ajilal V, Mr. Arun Mathew, Mr. Akshay Lakshmanan C, Mr. Sreemon S Ananad, Mr. Ujwal Kumar, Mr. Sandeep Dineshan, Mr. Amal Bhaskaran and Mr. Aswin Thomas of final year Mechanical Engineering, got placed in REA CORPORATION with CTC of Rs. 1.80 LPA.
5. Mr. Leo Vinoy of final year Mechanical Engineering received a job offer from BYJU'S.
6. Mr. Alan C Jose, Mr. Anooj K Dominic, Mr. Samrood Abdul Wahab, Mr. Adithyan P V, Mr. Ashil Tomy, Mr. Akhil Raj M, Mr. Muhammed Arshad K K, Mr. Muhammed Shahzad, Mr. Aswinraj T V, Mr. Thomas A Sunny and Mr. Akshay Rajan of final year Mechanical Engineering got shortlisted for placement in the ELEATIONS with with CTC of Rs. 3.40 LPA.
7. Mr. Alen Joe Manuel, Mr. Samrood Abdul Wahab, Mr. Muhammed Arshad K K and Ms. Aswathi Manoharan of final year Mechanical Engineering got shortlisted for placement in G10X with CTC of Rs. 4.00 LPA.
8. Mr. Samrood Abdul Wahab, Mr. Nikhil Paulose and Mr. Leo Vinoy of final year Mechanical Engineering got shortlisted for placement in AGILE BUSINESS CONSULTING with CTC of Rs. 1.80 LPA.

Annual Report

Dept.Of ECE

Academic Year :19-20

Department Of Electronics & Communication Engineering

Department of Electronics and Communication Engineering was established in 2002 with an intake of 60 students in B.Tech programme. The department currently offers B.Tech Programme in Electronics and Communication Engineering with an intake of 90 students and M.Tech in Communication and Signal Processing with an intake of 18 students. The department is an approved research centre under KTU. Department of ECE provides quality education for the students in the field of Electronics and Communication Engineering. The department is committed to educate students about professional and ethical responsibilities and train them to build life skills for their career development. With excellent infrastructure, laboratories and full-fledged faculty, the department has always been in the path of rapid progress, making it one of the premier departments of Vimal Jyothi Engineering College.

1.Details of Faculty members

<i>Sl No</i>	<i>Name</i>	<i>Designation</i>	<i>Qualification</i>
1	Dr. ROSHINI T.V	Professor, HOD	Ph.D
2.	Dr. ANTO SAHAYA DHAS	Professor	Ph.D
3.	JERRIN YOMAS	Associate professor	M.Tech
4.	VINOD J. THOMAS	Associate professor	M.Tech

5.	BINDU SEBASTIAN	Associate professor	M.Tech
6.	MANOJ K.C	Associate professor	M.Tech
7.	ADARSH K.S	Assistant professor	M.Tech
8.	SHIMNA P.K	Assistant professor	M.Tech
9	LEKSHMY S	Assistant professor	M.Tech
10	BINIL KUMAR	Assistant professor	M.Tech
11	ANOOP B.K	Assistant professor	M.Tech
12	GRACE JOHN	Assistant professor	M.Tech
13	JAYESH GEORGE	Assistant professor	M.Tech
14	ANUSHA CHACKO	Assistant professor	M.Tech
15	ANN MATHEW	Assistant professor	M.Tech
16	SUDHARSANA VIJAYAN	Assistant professor	M.Tech
17	JITHIN JAMES	Assistant professor	M.Tech
18	SANGEETH S	Assistant professor	M.Tech
19	AMRUTHA MARIA MATHEW	Assistant professor	M.Tech

2. Details of Technical Staff

Sl No	Name	Designation	Qualification
1	DIVYA K	Instructor Grade I	M.Tech
2	JOBY JOSEPH	Technician	Diploma
4.	JOSY FRANCIS	Technician	ITI(Electronic Mechanic)
5.	SINI JOSHY	Technician	Diploma in Electronics and Instrumentation
6.	JYOTHISH FRANCIS	Technician	ITI(Electronic Mechanic)

3. Academic Activities

A brief account of the various academic activities and their outcome are dealt in this section.

3.1 Results of University Examinations

The details of conduct of University Examinations and published results for the students of the Department of Electronics & Communication I Engineering are listed below.

Sl.No.	Batch	Semester	No. of Students appeared for exam	No. of students passed	% of Pass
1	16-20	S8	57	57	100
2	16-20	S7	58	28	48.28
3	17-21	S6	56	56	100
4	17-21	S5	56	35	62.5
5	18-22	S4	42	30	71.42

6	18-22	S3	42	8	19.05
7	19-23	S2	-	-	-
8	19-23	S1	56	30	53.57

3.2 Co-curricular Activities

The Department of Electronics & Communication Engineering has always realized the importance of learning beyond class rooms, and has always encouraged the students to indulge in co-curricular activities. Some of the important activities organized in the Department in which students and faculty have participated and accomplished are given below.

3.2.1 Visiting Executive Programs

Sl. No	Topic	Speaker	Date	Class	Students attended	Amount
1	Soft Skill Training on Competitive English	Mr. Rajendran K Trainer for Verbal ability in competitive exams	30 January 2019	Fourth year	61	Rs.7000/-
2	Workshop on C++	Ms. Namitha P Assistant Professor, LBSCollege, Kasargode	10&13 April 2019	Third year	56	Rs.10000/-

3	Talk on Linear Integrated circuit	Prof. Dinesh Babu, Associate Professor, Govt. Engineering College Wayanad.	9 May 2019	First & Second years	96	Rs.5000 /-
4	Talk on Introduction to hybrid parameters	Prof. Dinesh Babu, Associate Professor, Govt. Engineering College Wayanad.	12 October 2019	Second year	56	Rs.5000 /-
5	Workshop on Internet Of Things	Innovians technologies	25&26 October 2019	All undergraduate students	42	-
6	Workshop on Programming in C	Jilson P Jose, Senior Manager-Education & Training, G Tech Education Pvt. Ltd.	18 January 2020	First year	54	Rs.3000 /-
7	Workshop on Object oriented Programming in C++ and Java	Jilson P Jose, Senior Manager-Education & Training, G Tech Education	22,24 &28 January 2020	Third year	56	Rs.7500 /-

		Pvt. Ltd.				
8	Talk on Entrepreneurship and Future Trends in Engineering	Mr. Rajath Navas(Founder CEO, PACE Lab) and Mr.Umer Muqthar.	18 February 2020	All undergraduate students	198	Rs.5000 /-
9	Workshop on Android application development	Jilson P Jose, Senior Manager-Education & Training, G Tech Education Pvt. Ltd.	4&5 March 2020	Third year	56	Rs.6000 /-
10	Seminar on Professional Ethics	Fr. Jose Koodapuzha S.T.D.	7 March 2020	All undergraduate students	190	-
11	Webinar on 'Real Time Operating System'	Mr. Rajesh M (Scientist/Engineer 'D' NIELIT Calicut)	8 May 2020	Third year	55	-
12	Webinar on Wireless IoT & 5G	Mr. Jubin Elayanithottat hil, Research Engineer, Institute ivESK, Offenburg Uni. Germany.	13 May 2020	Second year	40	-
13	Online workshop on 'Amplifier	Prof. Dinesh Babu,	14 May	First year	55	-

	Circuit'	Associate Professor, Govt. Engineering College Wayanad.	2020			
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3.2.2 Industrial Visit

The students of the department were motivated to visit places where different Electronics&Communication engineering activities were taking .

<i>Sl. No.</i>	<i>Industry</i>	<i>Date</i>	<i>Class</i>
<i>1</i>	JVS Electronics Private Ltd. and VKC Rubber Industries.	22nd and 23rd March 2019.	<i>Second year</i>
<i>2</i>	Community Radio Mattoli, Dwaraka, Wayanad	<i>12 April 2019</i>	<i>First year</i>

3.3 Achievements by the students

1.S8 ECE students, Meera T, M Krishnapriya, Gayathri MM, Fathimathul Amrath, received IRPC funding for their project "Biometric fingerprint based electronic voting system for rigging free governance".

3.4 Achievements by the faculty members

3.4.1 Short Term Program (STTP) attended by Faculty

Sl No	Details of the STTP	Name of the Faculty	Period
1	DTE Kerala sponsored FDP on Analog and Digital Integrated Circuit Design using EDA Tools at Govt. Engineering College, Kannur	Ms. Bindu Sebastian & Ms. Divya K	21 December 18 to 25 January 19
2	Faculty development program on student induction	Mr. Binil Kumar K and Mr. Anoop B K	24 to 26 June 2019.
3	FDP on Digital learning: The Prospects of IoT Technology in Education at Educational Television Centre and IMCO National Institute of Technical Teachers Training and Research, Chandigarh.	Mr. Jayesh George and Mr. Jithin James	25 November 2019 to 6 December 2019
4	AICTE- FDP on Wireless Communication Networks and Signal	Dr.Roshini T V , Mrs. Shimna P K, Mrs.Lekshmy S and Ms. Sudharsana	4 December 2019-17 December

	Processing at Jyothi Engineering college, Thrissur.	Vijayan	2019
5	AICTE- FDP on Recent advances in sensors and actuators at College of Engineering Chenganur.	Mr.Sangeeth S	9 December 2019 to 20 December 2019
6	KTU- FDP on Modern Research Strategies in condition monitoring of power equipment at Saintgits college of Engineering, Kottayam.	Ms. Amrutha Maria Mathew	9 December 2019 to 13 December 2019
7	Online FDP on Artificialintelligence and machine learning using pythonorganized by Finland Labs association with NationalSocial Summit,IIT Roorkee	Mr. Manoj KC	18 May 2020 to 29 May 2020
8	Online FDP on “Fuzzy logic and neural networkapproach for engineering solutions” organized byJournal of advanced Engineering Research andpowered by hexacube India	Mr. Manoj KC, Ms.Sudharsana Vijayan, Ms. Lekshmy S	29&30 April 2020

3.4.2 Training Programs /Seminars/workshops attended by Faculty

<i>Sl N</i>	<i>Details of the Training program</i>	<i>Name of the Faculty</i>	<i>Date</i>
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o			
1	Workshop on Artificial Intelligence and Machine Learning at Federal Institute of Science and Technology, Angamaly	Mr.Anoop B.K	19 January 2019
2	Seminar on IEEE Xplore & EBSCO at Vimal Jyothi engineering college	Dr. Roshini T.V, Adarsh K.S, Shimna P.K, Binil Kumar K, Ann Mathew	10 April 2019
3	IEEE Live webinar title on How to publish a high quality Technical journal Paper	Mr. Manoj KC	21 April 2020
4	Webinar on "Basics of wind energy conversion" by Prof. Sathyajith Mathew, Dept of Engineering Science, Norway Organized by Institute of engineers and IEEE branch	Ms. Amrutha Maria Mathew	8 May 2020
5	Webinar on Global Trends in EV Power Train by Mr. Tijo Thomas Organized by Institute of engineers and IEEE.	Ms. Amrutha Maria Mathew	14 May 2020
6.	Webinar on Electrical Vehicle Charging System by Dr. Ritesh Kumar Keshri, Assistant professor, VNIT Nagpur Organized by IEEE PES SBC saints gits college of Engg.	Ms. Amrutha Maria Mathew	11 May 2020
7	webinar on Analytical modeling of modular multilevel converters	Ms. Amrutha Maria Mathew	10 May 2020

	and circulating current control by Dr. Abhijith Kshirsagar, Assistant professor, IIT Dharwad Organized by IEEE IA/IE/PELChapter, Kerala		
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3.4.3 Papers Published by Faculty

Sl No	Tile of the paper	Name of the Faculty	Journal/Conference title
1	ELM Based Detection of Micro-Calcification in Mammogram using GLCM Features	Mr. Jayesh George	International Journal(SCOPUS indexed) of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1, May 2019.
2	Detection of Hard Exudates Using Evolutionary Feature Selection in Retinal Fundus Images	Mr. Anoop B.K	Journal of Medical Systems(SCIE indexed), ISSN -0148-5598, E-ISSN -1573-689X, May 2019
3	Optimization algorithms, an effective tool for the design of	Ms. Roshini T.V	Journal of Ambient Intelligence and

	digital filters; a review		Humanized Computing (SCIE indexed) ISSN/eISSN : 1868-5137/1868-514, Aug 2019.
4	A novel decision support system for Malignant Tumor using 3D Reconstruction and Volumetric Analysis	Dr.D. Anto Sahaya Dhas,	Journal of Advanced Research in dynamic & control system(SCOPUS Indexed) volume 12, issue

3.4.4 Invited lectures delivered by the Faculty

<i>Sl.No</i>	<i>Title</i>	<i>Name of the faculty</i>
1	ASAPOnline classes on “Digital to Analog converters” for fourth semester students in association with APJAbdul kalam Technological University.	Dr. Roshini T.V

3.4.5 Qualification acquired by the Faculty

1.Dr. Jayesh George has successfully completed the Ph.D. and the title of thesis is Development of Computer aided diagnosis of breast cancer on mammograms.

3.5 Research activities

The department has already been approved as research Centre by the KTU and 4 candidates have enrolled for Ph.D program under the guidance of Dr. D Anto Sahayadhas , Professor, Department of Electronics & Communication Engineering.

3.6 Other Activities/ Classes conducted

Activity	Beneficiary
GATE Coaching	Final Year Electronics Engg:
Remedial classes	S1 S2, S3, S4, S5, S6, & S7 Classes

**VIMAL JYOTHI ENGINEERING
COLLEGE, CHEMPERI
CIVIL ENGINEERING DEPARTMENT**

**Annual report
2019-2020**

Programmes conducted:

1. A one-day National Conference on Recent Trends in Civil Engineering (NCRTCE-19) was conducted by Department of Civil Engineering on 30 May 2019 which was chaired by Prof. Katta Venkataramana of NITK Surathkal.
2. Dept. of Civil Engineering under the co-ordination of Mr. Abhijath IP, organized a lateral entry mock test on 7th June 2019 for lateral-entry students.
3. Department of Civil Engineering conducted one day Workshop on Structural Rebar Detailing for final year students on 4 September 2019 by Mr. Sooraj Sebastian.
4. One-day Workshop on Smart Building was conducted for third year students on 18 September 2019 by Mr. Sunil Paul, Assistant Professor, Department of Mechanical Engineering, VJEC.
5. Workshop on BIM for construction management and planning for final year students on 25 September 2019 by Mr. Sujin G S, Application Engineer from Kochi.
6. A two-day Workshop on Tall Building Design was conducted from 12-13 October 2019 for final year students by Mr. Kaustubh Kalbande, Design Engineer, Indian Tech. (IIT Mumbai).
7. Workshop on Revit Architecture for final year students was conducted from 16-19 January 2020 for final year students by Mr. Sujin G S & Mr. Ameen Ansari, Application Engineer, Intercad Systems.
8. A two day workshop on Building Information Modelling (BIM) was conducted for third year students on 6th & 7th March, 2020 by Mr. Nithin Mohan and Mr. Gokul Suresh BIM Engineering Services Pvt. Ltd.
9. Department has signed an MoU with Glory Constructions and another with CMR Constructions in Sept 2019.
10. Three new laboratories: Engineering Mechanics Lab. Virtual Reality Lab and Engineering Geology Lab were developed as a part of Civil department
11. Induction programme for first year students (2019-23 batch) was conducted from 24 June 2019 to 28 June 2019.
12. The first year civil engineering students along with other first year batches, class tutors

and management representatives, participated in the Charity Pilgrim on 15th February 2020.

13. The first PTA Meeting of the academic year was conducted from 17th to 19th September 2019 and second meeting from 26th to 28th February 2020 for all the semesters by the Civil Engineering Department
14. Alumni of the department participated in the College Alumni Meet 2K19 'Oruvattamkoodi', conducted at St. Mary's Church Auditorium, Taliparamba on 12 October 2019.
15. The Department Advisory Board (DAB) meeting was held on 1st September 2019 constituting representatives from the Management, industries, alumni, faculty, parents and students.
16. Online PTA meeting was conducted for second semester on 18 April 2020 and more than ninety percentage of parents along with their ward participated in the meeting who interact with faculties to discuss the effectiveness of the online classes.
17. The department newsletter 'SRISHTI' is published bimonthly portraying all the departmental activities, departmental achievements, students' achievements, faculty publications and so on. In addition to them, the department vision, mission, POs, PEOs and PSOs are given in all the issues.
18. Students from the department participated in various programmes conducted as the part of the annual Sports and Arts Fest of Vimal Jyothi Engineering College conducted on 10 January 2020 respectively.

Faculty achievements:

1. Ms. Athira K has published her work 'Assessment of Meteorological Drought in Anantapur District (Andhra Pradesh)' in Journal of Water Resource Research and Development.
2. Mr. Mithulraj M has published his paper entitled 'Fresh and Hardened Properties of Self Compacting Concrete Made With Coal Bottom Ash' in Journal of Engineering Analysis and Design.
3. Dr. Shika S has published her paper entitled 'Atmospheric aerosol properties at a semi-rural location in southern India: particle size distributions and implications for cloud droplet formation' in SN Applied Science.

4. Paper published in Our Heritage with ISSN 0474-9030 is a UGC CARE Journal titled "Analytical Development on Light Weight Structures using Hybrid Corrugated Core" by Dr. Biju Mathew, Dr. Benny Joseph, and Ms. Poornima Pradeep.
5. Mr. Biju Mathew, Head of the Department has completed his research work and has been awarded PhD.
6. Mr. Linjesh Sebastian has successfully completed the course ' Consumers Psychology' with elite certification from NPTEL.
7. Ms. Maqsooda JHS , Faculty, Dept. of CE has participated in One day Workshop on R, held at Vimal Jyothi Engineering College, Chemperi organised by the teaching Learning Centre, ICT at IIT Bombay on 9th November 2019.
8. Mr. Vishnu T Unni & Ms. Ankita Sebastian has attended one day workshop on C and C++ on 29th February 2020.
9. Sreejith K attended an FDP on Interaction of Coastal Development with coastal processes: Its highlights and Challenges at National Institute of Technology, Calicut from 9th December to 14th December 2019.
10. Ms. Athira K attended an FDP on 'Recent and Emerging Trends in Fluid mechanics Research' at Government Engineering College, Thrissur from 2nd December to 04th December 2019
11. Three faculties from the department, Mr. Nitheesh P, Mr. Mithulraj and Ms. Athira K, got Ph.D admission at IIT Palakkad
12. A team of Civil Department faculties comprising Mr. Sreejith K, Mr. Vishnu T Unni, Mr. Vijesh Cheriyan, Mr. Jins George, Ms. Margaret Abraham, Ms. Anitta Jose and Mrs. Anuragi P has taken up the task of Designing of a Bridge construction in coordination with LSGD, Edoor, Payam PO.
13. A FDP on Engineering Education – a transdisciplinary approach in Engineering was attended by 10 faculties of the department from 16th to 21st July 2019.
14. Mr. Vishnu T Unni delivered a invited talk on Project Management on 24th January 2020 at St. Thomas College of Engineering, Mattanur.

15. Mr. Vishnu T Unni attended an online workshop on Recent Advances in Science and Technology of Concrete on 2nd May 2020 organized by IIT Madras.

Student achievements

1. Athira K Anil of S8 CE has received job offer from Infosys.
2. The final year students Dhanasree K., Chaithanya N, Anagha K, P. Megha, Krishnendu Valsaraj, Athira K Anil, Sherry Mathew, Reshmi Ramesh, Sneha E. K., Aswathi Sasindran, and Chanchal Haridas got placed in Accenta Education in the campus recruitment drive.
3. Amritha KK is selected as the Ambassador of national engineering olympiad campus.
4. K P Aswin and Jinsha M got placed in REI Cooperation.
5. Alfin Jose of S5 CE A got selection for university softball team.
6. Leo Jose of S7 CE B turned runner-up in Intercollege Badminton Tournament.
7. Anjana Krishnan, Anagha Babu, Athira K, Reshmi Ramesh, Adithya Sahadevan and Nila of Civil department secured first position in the university inter collegiate basketball tournament.
8. A few students have attended workshop and Techfest at College of Engineering, Thalassery.
9. Two students of S4 and five students of S8 have attended Oboone workshop during COVID 19 season.
10. Twenty-four students form S6 attended the workshop on TEKLA at IIT Madras.
11. Fourteen students of third year attended a workshop on Concrete mixer at GEC Palakkad.
12. Twenty three students from various semesters from civil engineering successfully completed the NPTEL course.

ANNUAL REPORT

2019-20

ELECTRICAL AND ELECTRONICS
ENGINEERING DEPARTMENT

VIMAL JYOTHI ENGINEERING COLLEGE,
CHEMPERI

The EEE department is happy to announce its 16th batch has completed the course. Even though the year end was stroked by the COVID pandemic, the department could strive through it successfully. During the COVID-19 pandemic period, various initiatives have been taken up by the department to help the COVID-19 patients.

PROGRAMS CONDUCTED

- IEEE PELS conducted “ DIGITAL LITERACY PROGRAM FOR WOMENS” on 9th January 2019.
- Conducted Workshop on IOT for S4 students on 23rd January 2019.
- The zonal wise annual meet of International Centre for Free and Open Source Software (ICFOSS) coordinated by Mr. Sarin C.R, AP, EEE on 28th January 2019.
- Conducted a SPECTRUM TALK for IEEE Members on 1st February 2019.
- WIE affinity group under IEEE SB VJEC conducted a program “WOMEN IN TECHNOLOGY” on 11th February 2019.
- Conducted IEEE PELS DLP Program on Large Scale Solar PV Electricity Grid Integration by Dr. VASSILIOS G AGELIDIS ,(Prof. Technical university of Denmark), FELLOW IEEE on 26th February 2019.
- IEEE Conducted a Workshop on Rapid prototyping for S4 Students on 27th February 2019.
- IEEE Conducted SCIENCE WEEK – GENERAL SCIENCE QUIZ, SCIENCE AND ENGINEERING QUOTE CHALLENGE,SCIENCE FICTION MOVIE REVIEW CONTEST for Students on 27th February 2019.
- Conducted PERIODIC TABLE FILLING CONTEST on 1st March 2019.
- Conducted A LOOK BACK AT SCIENCE AT SCHOOL & WIE ONLINE POSTER CREATION CONTEST on 6th March 2019.
- Conducted WIE WEEK LOGO COMPETITION & WIE WEEK DEBATE COMPETITION on 7th March 2019.
- Conducted WIE WEEK GOOGLE DOODLE QUIZ & WIE WOMEN’S DAY MOTIVATIONAL TALK on 8thMarch 2019.
- IEEE WIE SB VJEC celebrated women’s day on 8th march 2019. A motivational talk was given by Mrs. SURAJA NAIR, EXECUTIVE ENGINEER at KERALA WATER AUTHORITY .
- Conducted SCIENCE LAW PRESENTATION CONTEST on 11thMarch 2019.
- Conducted WIE EXPLORE ABOUT LESSER KNOWN APPS & GLORY OF SB on 12thMarch 2019.
- Conducted IEEE IAS/IES/PELS QUEST QUIZ, WIE LET ME SPEAK OUT, WIE TALK ON “NEED OF ELECTRIFICATION IN THE TRASPORTATION SECTOR” on 13thMarch 2019.
- Conducted WIE CODING TRAINING, WIE LOVE FOR WOMEN STAFF on 14thMarch 2019.
- Conducted WIE CASE STUDY ANALYSIS on 15thMarch 2019.
- Conducted WIE SPOT PRESENTATION CONTEST, PROJECT POSTER PRESENTATION CONTEST for S8 Students on 30thMarch 2019.

- TEKSCIO 2.0 (EEE Tech Fest) conducted on 30 MARCH 2019
- PLACEMENT TRAINING CONDUCTED BY SIG MOS INDIA FOR FINAL YEAR STUDENTS DURING APRIL 11– 14.
- Conducted PES DAY CELEBRATIONS by IEEE PES Members on 29th April 2019.
- Conducted PES QUIZ COMPETITION & PES DAY TALK on 30th April 2019.
- Conducted ROADMAP TO SUCCESS IN ENGINEERING for Class XII Students on 11th May 2019.
- An introductory class to the engineering stream especially in electrical engineering for the newly joined students were conducted in Vimal Jyothi Engineering College. 24th - 26th June 2019
- Conducted MD SESSION FOR 1st YEARS BY MALABAR HUB WIE COORDINATOR MEGNA.S on 28th June 2019.
- JYOTHIRGAMAYA –2K19 WELCOMING FIRST YEARS –23 JULY 2019
- Vimal Jyothi Engineering College conducted Graduation Day on 24.07.2019. The Chief Guest was Dr. Sivaji Chakravorti , Director NIT Calicut
- Organized INCEPTION 4.0 for 1st Year students on 24th July 2019.
- Mr. SARIN C R , AP, EEE , Mr. VINOD J THOMAS & Ms. LIPINA GOPAL M conducted a value addition programme for S3 EEE students on the topic “ Introduction to analog electronics using spice”, July 24-26, 2019
- Conducted a value addition programme for S5 EEE on “introduction to embedded systems” by SARIN CR ,AP, EEE
- Conducted IEEE PRE-EXTREME on 25th September 2019.
- Conducted IEEE DAY PES Quiz Competition for S1 Students on 1st October 2019.
- Organized IEEE Day Celebration and as part of it Technical talk is delivered by Mr.Prabin James, AP,EEE on 3rd October 2019.
- Conducted MEET AND GREET 2K19 - Using Email for Networking in English
- INDUSTRIAL VISITS for S3, S5 Students (GOA Dairy plant - S5 EEE, Rainbow PVC Pipes- S3 EEE) 4th –7th October 2019
- Industrial Visit—IEEE SB VJEC TRAVANCORE COCHIN CHEMICAL LIMITED, UDYOGAMANDAL, KERALA—27 OCTOBER 2019
- Conducted TECHQUIZ 1.0 - Week 1 & Week 2 for S3,S5 & S7 Students on 9th & 15th October 2019.
- Experience Shared by Abhay Rajan and Megna Sudheep, S7 EEE on 9th October 2019.

- Session on Computer Programming for S3 Students on 10th October 2019.
- IEEE IAS IV is arranged for IEEE IAS/PES/PELS MEMBERS on 25th October 2019.
- IEEE PES ZERO HUNGER DAY is celebrated on 27th October 2019.
- communication skills development programme conducted for S4 EEE students on 21 January 2020
- Meet and Greet 2k20 using E Mail for networking in English—Conducted for S6 EEE Students on 22 January 2020.
- A 3 day training programme on “Electrical System Design” is conducted for S8 EEE Students from 13 Jan 2020—15 Jan 2020 BY SIGMOS INDIA
- Annual General Meeting of IEEE-SB-VJEC has conducted on 24th January 2020
- IEEE SBC VJEC IS CONDUCTING AN ONLINE IDEA PITICHING COMPETITION ALONG WITH MENTORING SUPPORT IN ONLINE MODE. THE FRST PHASE IS COMPLETED.
- IEEE PELS SBC VJEC CONDUCTED A BRIGHT TALK ON “DESIGN OF SOLAR POWER PLANTS” ON 19/04/2020 at 07:00 P M THROUGH GOOGLE MEET. THE RESOURCE PERSON WAS Mr. AJITH GOPI, VICE CHAIR, IEEE PES KERALA SECTION.
- IEEE IAS SBC VJEC ORGANISESED QUIZ COMPETITION ON INDUSTRY 4.0 & LATEST TRENDS IN THE INDUSTRY ON 20 FEB 2020
- IEEE IAS SBC VJEC IS CONDUCTING AN ONLINE WEEKLY QUIZ STARTING FROM 06/04/2020.
- IEEE WIE SBC VJEC ORGANISED A QUIZ COMPETITION ON 17/02/2020 AT SOFTWARE LAB .
- PoSym WEBINAR SERIES “OVERVIEW OF A SUBSTATION” Conducted by IEEE PES SBC VJEC on 16/04/2020 by Er.SARAN K S, Volunteer, IEEE KERALA YP
- IEEE SBC VJEC HAS CONDUCTED A TECHNICAL QUIZ COMPETITION ON 06/03/2020 AT VARIKATTU HALL.
- IEEE WIE SBC VJEC CELEBRATED WOMEN’S DAY on 9 March 2020. THE HIMALAYAN RIDER SOUMYA P N was the chief guest.
- The Intercadd Systems Private Limited conducted a placement oriented training for S6 EEE students on REVIT MEP on 4-8 March 2020.
- S2 EEE Students and Tutors visited Oldage Home at Karunapuram, Alakode on 15 February 2020 as a part of CHARITY PILGRIM.
- ARTS FEST- PAKALPOORAM 2020 –10 FEB 2020
- S4EEE PTA MEETING—PRIZE DISTRIBUTION TO TOPPERS—26 FEBRUARY 2020
- S2 EEE PTA MEETING—PRIZE DISTRIBUTION TO TOPPERS—25 FEBRUARY 2020

- Conducted online PTA meeting of S6 EEE & S4 EEE On 13th April 2020 at 10.30 am through Google Meet
- IEEE SB VJEC celebrated Earth day on 22 April 2020. In association with this , organized an earth day challenge “Plant a tree with us”.
- IEEE SB VJEC ORGANISED INTERNSHIP PROGRAM IN ASSOCIATION WITH ASTREK INNOVATIONS.
- IEEE SB VJEC ORGANISED INTERNSHIP PROGRAM IN ASSOCIATION WITH INDUSTRUS TECH.
- WEBINAR CONDUCTED ON THE TOPIC ENERGY SECURITY BY DR. CLINTON J ANDREWS ON 12-JUNE-2020
- IEEE POWER AND ENERGY SOCIETY CONDUCTED WEBINAR ON THE TOPIC AUTONOMOUS VEHICLES BY DR. NADY BOULES ON 16-MAY-2020
- PoSym WEBINAR SERIES “POWER SYSTEM STABILITY” Conducted by IEEE PES SBC VJEC on 18/04/2020 by Dr. Bobby Philip, Secretary, IEEE PES, Kerala Chapter
- PoSym WEBINAR SERIES “WOMEN IN IEEE” Conducted by IEEE PES SBC VJEC on 26/04/2020 by Staji Wilson, PES DAY INDIA LEAD
- WEBINAR CONDUCTED ON THE TOPIC OPPORTUNITIES FOR A PES MEMBER BY JUAN CARLOS MONTERO ON 1-MAY-2020
- IEEE SB CHAPTER VJEC ORGANISED ONLINE QUIZ SERIES (30-May-2020), ONLINE PHOTOGRAPHY CONTEST (30 -April-2020) & ONLINE RESUME WRITING WORKSHOP (3 -June-2020).
- PROGRAMS CONDUCTED FOR CURRICULAR GAP FILLING FOR S6 EEE STUDENTS, WEBINAR ON INDIAN POWER SCENARIO BY MR. ARUN C KURIAN, SE, KSEB.
- PROGRAMS CONDUCTED FOR CURRICULAR GAP FILLING FOR S4 EEE STUDENTS, WEBINAR ON TRENDS IN ELECTRICAL MACHINES BY DR. MANOJ KUMAR MV, AP, GEC KANNUR ON 8-MAY-2020
- PROGRAMS CONDUCTED FOR CURRICULAR GAP FILLING FOR S4 EEE STUDENTS, TECHNICAL TALK ON OVERVIEW OF A SUBSTATION AND POWER EQUIPMENT BY MR. VISHNU, AE, KSEB ON 12-MAY-2020
- PROGRAMS CONDUCTED FOR CURRICULAR GAP FILLING FOR S2 EEE STUDENTS, WEBINAR ON ESSENTIALITY OF PROGRAMMING SKILLS IN ENGINEERING FIELD BY MS. THANU JAMES, PROGRAMMING FREE LANCER
- Conducted a webinar on “ROBOTIC PROCESS AUTOMATION” on September 19th 2020 through google meet. Mr. Vincent Jose , Technical Director, USPL AIRLAB Pvt Ltd was the resource person.
- Conducted workshop on Artificial Intelligence on 23-25 August 2020 –DE QUEST. Mr. Nandakishor M , Udemy Artificial Intelligence Instructor, Director, DeepFlow Technologies Pvt Ltd was the resource person.
- Conducted workshop on Ethical Hacking on 21-23 August 2020. Mr. Akshay Krishnan, Developer at Zellab, web design & development team, IEEE PES YP Kerala was the resource person.

- Webinar on “ATTAINING SUSTAINABILITY IN ENERGY SECTOR” on 17 OCTOBER 2020 By Mr. Anil M, Dept CE, KSEB
- Webinar on “INDUSTRY EXPECTATION AND CAREER ADVANCEMENT” on 31 OCTOBER 2020 By Ms. Staji, AE, TCS
- A TECHNICAL TALK ON “MICRO GRID” 07 NOVEMBER 2020 By Mr. Brijesh P, Principal Engineer, CDAC
- A TECHNICAL TALK ON “POWER ELECTRONICS CONVERTER FOR GRID CONNECTED PV SYSTEM” 21 NOVEMBER 2020 BY A SRAVANA KUMAR, SCIENTIST E, CDAC
- Conducted a webinar on “INTERNET OF UNDER WATER THINGS” ON 5 NOVEMBER 2020.
- The General body meeting of VJEC ALUMNI is conducted on 21st November 2020 at 8pm through Google Meet
- Academic Year inauguration of 2020-24 batch students, 'Jyothirgamaya 2020', is conducted on 30th November 2020 through Zoom Platform. The Archbishop of Thalassery, Mar George Njaralakkattu graced the occasion as the Chief Guest.

FACULTY ACHIEVEMENTS

- Ms. Laly James, HOD EEE received Outstanding Student Branch Counselor Award 2018, IEEE Malabar subsection & also got selected as VSAC of Malabar subsection.
- The Most Vibrant Student Branch Chapter Award 2019 from IEEE Malabar Sub Section
- Dr. R. Senthil Kumar, Prof. EEE recognized as KTU Research supervisor.
- Ms. Ankita Sebastian, AP, EEE has received certificate of appreciation as Active SPOC from NPTEL.
- Ms. Shelma Geoge, AP, EEE selected as WIE Staff Coordinator, Malabar Hub
- Mr. Prabin James, AP, EEE IA/IE/PELS Jt. Chapter Kerala - EXECOME 2019 Selected as DLP Coordinator.
- Ms. Laly James, HOD, EEE has been elevated to the grade of Senior Member of IEEE this year
- Mr. Prabin James AP, EEE got selected as member of IEEE SIGHT Education subcommittee 2019.
- RECEIVED FUND FROM AICTE—FOR IEEE CONFERENCE ICCPCCT –2018 BY Dr. G JUSTIN SUNIL DHAS
- FUND RECEIVED FROM ANERT—FOR PROJECT PROPOSAL BY Dr. R SENTHIL KUMAR
- Ms. LALY JAMES, HOD, EEE received faculty awards during Merit day 2k19, 23 July 2019, Produced good results in KTU examination Apr & Dec 2018

- Mr. JIJO JOSEPH, AP, EEE received faculty awards during Merit day 2k19, 23 July 2020, Produced good results in KTU examination Apr & Dec 2018
- Mr. PRABIN JAMES, AP, EEE received faculty awards during Merit day 2k19, 23 July 2021, Selected as IEEE SIGHT Education Subcommittee global Competition 2019 international mentor for participating institutions
- Mr. PRABIN JAMES, AP, EEE has attended faculty development programme on EMERGING TRENDS IN HYBRID ELECTRIC VEHICLE TECHNOLOGY from 2-6 December 2019, Organised by Electrical & Electronics Department, Govt. Engineering College, Thrissur.
- Ms. SHELMA GEORGE, AP, EEE has participated in the YOUNG SCIENTISTS' CONFERENCE as a part of INDIA INTERNATIONAL SCIENCE FESTIVAL 2019 held at BISWA BANGLA CONVENTION CENTRE, KOLKATA During Nov 5-8, 2019. She presented a paper titled —Parallel hybrid vehicle: Architecture, modes of operation and control
- Ms. TEENA GEORGE, AP, EEE has conducted an expert talk on Circuit breakers, relays and protection schemes in power system on 22nd November 2019 for EEE students at College of Engineering Thalassery
- "VIRTUAL EYE FOR BLIND" project by S8 EEE Students got selected for KTU —CERD Project Funding under guidance of Ms. TEENA GEORGE
- Ms. Indulekha K M, AP, EEE has attended an FDP on the topic "Electric Vehicle and Renewable Powered Charging Stations" from 15th to 21st December 2019 at NIT Calicut.
- Ms LALY JAMES, HOD, EEE acted as speaker in a panel discussion organized by IEEE MALABAR HUB on the topic "Is Kerala technologically ready for another pandemic?" on 16 April 2020 through Google meet.
- Ms AMRUTHA MARIA MATHEW, AP, EEE has attended the webinar on "Electrical Vehicle Charging System" by Dr. Ritesh Kumar Keshri, Assistant Professor, VNIT, Nagpur held on 11th May 2020 hosted by the IEEE PES SBC Saintgits College of Engineering in association with the IEEE Student Branch and the IEEE IAS SBC
- Ms AMRUTHA MARIA MATHEW, AP, EEE webinar on Global Trends in EV Powertrain, by Er. Tijo Thomas (Application Engineer, Entuple Technologies Pvt Ltd) on May 14th 2020 organised by Institute of Engineers, India(IEI) student chapter (EL Branch) and IEEE student branch of COLLEGE OF ENGINEERING ARANMULA.
- Ms LALY JAMES, HOD, EEE attended webinar series on Accreditation and Quality of Engineering Education from ABET Perspective, organized by Strategic Initiatives for Academic Engagement, IEEE Kerala Section in association with APJ Abdul Kalam Technological University, Kerala in May 2020.
- Ms AMRUTHA MARIA MATHEW, AP, EEE attended webinar on Basics of Wind Energy Conversion, by Prof. Sathyajith Mathew (Department of Engineering Sciences, University of Agder, Norway) on May 8th 2020 organised by Institute of Engineers, India(IEI) student chapter (EL Branch) and IEEE student branch of this college.

- Ms LALY JAMES, HOD, EEE attended FDP during 8th to 12th June 2020 on the topic "ELECTRIC VEHICLES : EXPLORING INSIDE THE BOX" organised by Department of Electrical and Electronics Engineering, MEA Engineering College, Perinthalmanna, Malappuram
- Ms AMRUTHA MARIA MATHEW, AP, EEE attended FDP during 8th to 12th June 2020 on the topic "ELECTRIC VEHICLES : EXPLORING INSIDE THE BOX" organised by Department of Electrical and Electronics Engineering, MEA Engineering College, Perinthalmanna, Malappuram
- Ms AMRUTHA MARIA MATHEW, AP, EEE attended Webinar on SMART GRID TECHNOLOGY AND ITS OPPORTUNITIES organized by DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING, Jyothi Engineering College, in association with INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE), STUDENTS CHAPTER on 26 June, 2020
- Ms AMRUTHA MARIA MATHEW, AP, EEE attended Webinar " Shaping Future Energy with Microgrids" by SUHAS S, Global Product Manager MGS100, FIMER India, organised by IEEE IA/IE/PELS Jt. Chapter Kerala on 30th June 2020.
- IEEE IAS SB CHAPTER VJEC RECEIVED CONTINUED OUTSTANDING PERFORMANCE CHAPTER AWARD 2020
- Ms AMRUTHA MARIA MATHEW, AP, EEE has participated in the webinar by Dr. D. P. Kothari, Former VC, VIT University on FUNDING PROJECTS, CONSULTANCIES AND BOOK WRITING on July 8, 2020, organized by Electronics and Communication Engineering department, Vimal Jyothi Engineering College, Kannur, Kerala.
- Dr Senthil Kumar R, Prof., Dept of EEE published a paper on "Comparison method of PSO and DE optimization for MPPT in PV systems under partial shading Conditions" in International Energy Journal 20 (2020) Special Issue 2A, 291 – 298.
- Ms. Teena George, AP, EEE published an Article "Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking for Wind Energy Conversion System", on IEEE Xplore. (SCIE indexed journal)
- PRABIN JAMES AP EEE, have been served as a judge of the project competition in the International Covid19 Congress (ICC 2020) conducted by IEEE Bangladesh Section.
- IEEE power and energy society of Vimal Jyothi Engineering college got 26th position in IEEE region 10 (Asia pacific region) and 8th in Kerala section . Also got a reward of \$200 based on the activities.
- Ms. TEENA GEORGE , AP, EEE has presented a paper in International conference on Power Electronics and Renewable Energy "Optimum Torque, Zero d axis Current Control of Direct Driven PMSG Based Wind energy Conversion System"

VIMAL JYOTHI ENGINEERING COLLEGE, KANNUR
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
2019-2020 ANNUAL REPORT

FACULTY ACHIEVEMENTS

PUBLICATIONS			
Sl. No.	Details	Date (From - To)	No. of Days
1	Dr. Manoj V Thomas published a paper on "A critical survey on communication protocols in IoT domain" in ICICICT 2019 held at Vimal Jyothi Engineering College, Chemperi.	05.06.19 - 06.06.19	2
2	Dr. Manoj V. Tomas published a paper on "iSee : Artificial Intelligence based android application for visually impaired people", at Second International Conference on Innovative and Advanced multidisciplinary Research, at Park Avenue Convention Centre, Singapore.	12.10.19 - 13.10.19	2
3	Dr. Jeethu V Devasia, AP in CSE published a paper named "Graph sparsification with parallelisation to optimize the identification of causal genes and dysregulated pathways" in 34th ACM/SIGAPP Symposium on Applied Computing held at Limassol, Cyprus.	08.04.19 - 12.04.19	5
4	Ms. Asha Baby, AP in CSE published a paper named "Intravenous drip monitoring system for smart hospitals using IoT" in ICICICT 2019 held at Vimal Jyothi Engineering College, Chemperi.	05.06.19 - 06.06.19	2
5	Ms. Akhila Mathew published a paper on "Driver Exhaustion Detection Systems", IJESC journal	April 2020	NA
6	Ms. Akhila Mathew Published Paper " Approaching Bus Driver Collapse Exposure Entity Situated upon Rumbustious Observable Inquiry as Concerns Eye Eventuality" in International Journal for Research in Applied Science & Engineering Technology (IJRASET) in April 2020.	May 2020	NA
PROJECT/FDP/STTP/MODROBS FUNDING (APPLIED / SANCTIONED)			
Sl. No.	Details	Category	
7	"ePassport using Blockchain" was funded by IRPS. The student team members were Mr. Vishnu Pradeep, Ms. Abhina Anil Kumar, Ms. Amala Sebastine and Ms.	IRPS	

	Keerthana. The project is guided by Dr. Manoj V Thomas, Professor and HoD of CSE.	
8	Vidhya S S received UBA fund of Rs 100000/- for development and customization of technology.	UBA
9	STTP on Blockchain technology and its application fund sanctioned by AQIS, applied by Dr. Manoj V.Thomas, Ms. Akhila Mathew, Ms. Derroll David	STTP AICTE AQIS
10	Dr. Jeethu V Devasia, AP in CSE applied for DST-FIST funding for "Improving Campus Facilities". The proposal is under processing by the external funding agent.	DST-FIST
11	RPS proposals submitted under AICTE AQIS scheme coordinators are Dr. Manoj V. Thomas and Ms. Derroll David.	RPS AICTE AQIS
12	Dr. Jeethu V. Devasia Applied for AICTE MODROBS (Modernization & Removal of Obsolescence Program Scheme) for Software Lab on 28th August 2019.	AICTE MODROBS
13	Dr. Jeethu V. Devasia applied for funding of 2 projects under the student project scheme of KSCSTE on 08.11.2019.	KSCSTE
14	All staff members applied for KTU-CERD	KTU-CERD
15	FDP proposal submitted under AICTE, AQIS Scheme. Coordinators are Ms. Divya B & Ms. Neena V V	FDP AICTE AQIS

ADDITIONAL QUALIFICATIONS

Sl. No.	Details	Category
16	Ms. Ancy K Sunny AP qualified the GATE examination 2019.	GATE 2019
17	Ms. Ancy K Sunny, AP in CSE qualified for UGC NET June 2019.	UGC NET 2019
18	Dr. Jeethu V Devasia, successfully defended her Ph.D dissertation on 28/06/2019 at National Institute of Technology Calicut. 28.06.2019	PhD
19	Ms Derroll David enrolled and completed course in A-Z blockchain Technology in Udeemy	Certification
20	Ms. Ancy K Sunny was awarded for producing high academic results.	Award
21	Ms. Ancy K Sunny, Ms. Keerthijith P P, Ms.Anisha Joseph and Mr. Ajvad Haneef cleared the Red Hat Certified System Administrator (RHCSA)	Red Hat Certified System Administrator (RHCSA)

FACULTY DEVELOPMENT PROGRAM AND WORKSHOPS ATTENDED

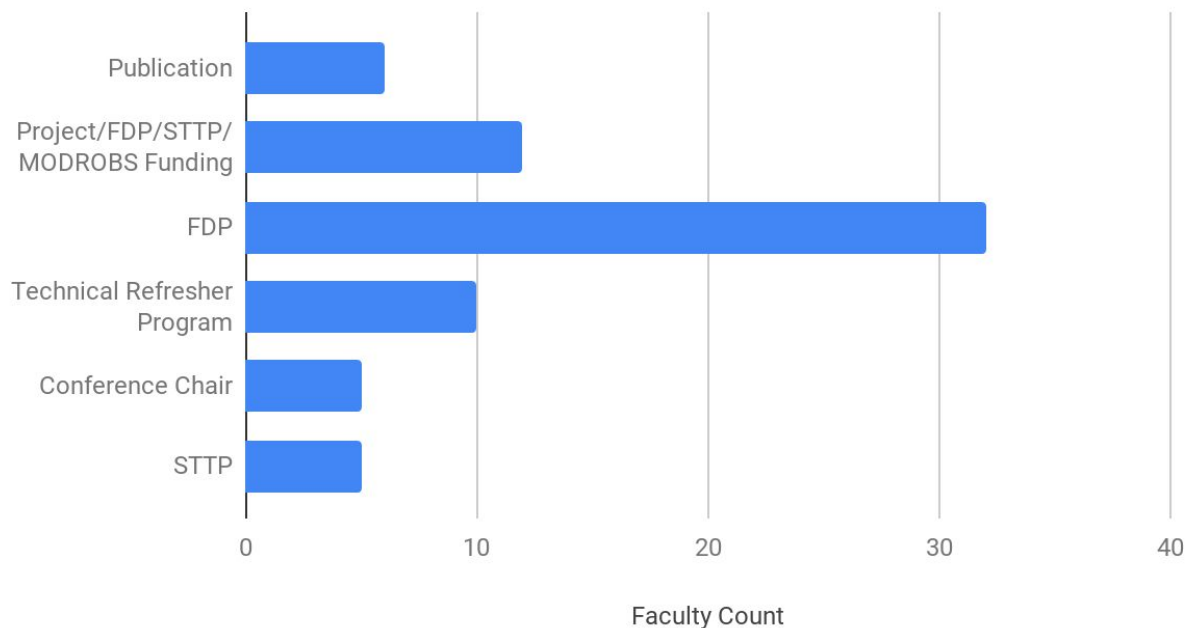
Sl. No.	Details	Date (From - To)	No. of Days
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22	Dr. Manoj V Thomas, HoD of CSE department attended three days FDP on "Student Induction Program" conducted at Mangalore Institute of Technology and Engineering, Mangalore.	14.05.19 - 16.05.19	3
23	Dr. Renji P Cherian, Ms. Divya B, Ms. Neena V V and Ms. Vidhya S S of CSE department attended two week AICTE sponsored FDP on "Research Challenges in Bio-signal and Image Processing for Medical and Health Science" conducted at VJEC, Kannur.	20.05.19 - 01.06.19	8
24	Dr. Jeethu V Devasia and Ms. Keerthijith P of CSE department attended five days KTU sponsored FDP on "Interactive Learning Modules for Innovative Pedagogy in Circuits and Electronics" conducted at VJEC, Kannur.	27.05.19 - 31.05.19	5
25	Ms. Neena V V and Ms. Vidhya S S attended Infosys Campus Connect Faculty Enablement Program on InfyTQ at Vidya Academy of Science & Technology, Thrissur from 24.06.19 to 29.06.19.	24.06.19 - 29.06.19	6
26	Ms. Keerthijith P and Ms. Akhila Mathew attended three days FDP on "Deep Learning" at LBS College of Engineering, Kasargod which is sponsored by KTU from 09.07.19 to 11.07.19.	09.07.19 - 11.07.19	3
27	Ms. Vidhya S S attended an FDP at PSG Technology on "Emerging Networking Technologies and Tools" from 07.06.19 to 13.06.19.	07.06.19 - 13.06.19	6
28	Mr Ajvad Haneef K attended FDP at IIT Palakkad on "AIML Training of Trainers"	24.08.19 - 25.08.19	2
29	Ms. Akhila Mathew attended ICT academy membership launch on Trissur	01.10.19	1
30	Ms Achala Prasad attended FDP at Model Finishing School,Trivandrum on "Robotics"	27.11.19 - 01.12.19	5
31	Dr. Manoj V.Thomas attended FDP at NITK, Surathkal on " Block chain technology"	6.12.19 - 20.12.19	15
32	Mr. Ajvad Haneef K attended FDP at Govt. Engineering College Wayanad on "Foundation of data Science"	11.12.19 - 14.12.19	4
33	Dr. Jeethu V Devasia attended "One day coordinators workshop on C and C++" organized by the Teaching Learning Center at IIT Bombay	15.02.2020	1
34	Dr. Jeethu V. Devasia attended one day workshop on 'R', on Saturday, 12 October 2019, organised by the Teaching Learning Centre (ICT) at IIT Bombay.	12.10.19	1
35	Ms. Ancy K Sunny and Mr. Siby Joseph attended six days Faculty Development Programme titled "Natural Language Processing using Python"organized by Dept. of Computer Science & Engineering, Govt. College of Engineering Kannur sponsored by DTE, Govt. of Kerala.	14.10.19 - 19.10.19	6
36	Ms. Achala Prasad, Ms. Ancy K Sunny and Ms. Vidhya S S attended	29.04.2020 -	4

	FDP by AICTE on "Examination Reforms"	02.05.2020	
37	Ms. Neena V V and Ms.Divya B attended ATAL FDP on "Internet of Things"	07.05.2020 - 11.05.2020	5
38	Dr. Jeethu V Devasia,Ms.Akhila Mathew, Ms.Ancy K Sunny and Ms. Anisha Joseph participated in 5 days FDP on " Java Programming" conducted by Oracle Academy.	04.05.2020 - 08.05.2020	5
39	Dr. Jeethu V Devasia participated in two days online workshop on "Fuzzy Logic and Neural Network Approaches for Engineering Solutions" conducted by Journal of Advanced Research and Hexacube India	01.05.2020 - 02.05.2020	2
40	Ms. Keerthijith P attended AICTE ATAL FDP on data science	18.04.2020 to 22.04.2020	5
TECHNICAL REFRESHER PROGRAM			
Sl. No.	Details	Date	
41	Ms. Neena V V, Ms. Vidhya S S, attended Technical Refresher Program for faculty on iOS App Development.	17.06.19	
42	Ms. Asha Baby, Ms. Anjana Baby, Ms. Anisha Joseph, Ms. Keerthijith P attended Technical Refresher Program for faculty on MS Excel.	25.06.19	
43	Sr. Jisha C T attended Technical Refresher Program for faculty on IoT and Rasberi Pi and Ms. Asha attended Online Video Preparation.	NA	
44	Ms. Derroll David conducted Technical Refresher Program on iOS App Development for faculty	17.06.19	
45	Ms. Ancy K Sunny conducted Technical Refresher Program on MS Excel for faculty	25.06.19	
CONFERENCE CHAIR			
Sl. No.	Details	Date (From - To)	
46	Dr. Manoj V Thomas, Dr. Renji P Cherian, Dr. Jeethu V Devasia, Ms. Asha Baby and Ms. Derroll David acted as the session chair for ICICICT 2019 conducted at Vimal Jyothi Engineering College.	05.07.19 - 06.07.19	
SHORT TERM TRAINING PROGRAM			
Sl. No.	Details	Date (From - To)	No. of Days
47	Ms. Achala Prasad, Ms. Asha Baby, Ms. Akhila Mathew, Ms. Keerthijith P and Ms. Ancy K Sunny attended 6 days STTP on "Transdiscipline approach in Engineering" organised by the Department of Electronics and Instrumentation at Vimal Jyothi Engineering College, Kannur.	16.07.19 - 21.07.19	6
ADDITIONAL ACTIVITIES			

49	Mr. Ajvad Hannef conducts training of ASAP AIML course to a group of 8 students.
50	Online videos are prepared by all faculty of CSE. Youtube channels are started by Mr. Jilson P Jose and Ms. Divya B ,Ms.Vidhya S S for Programming Paradigms and System Software ,Programming respectively.
51	Dr. Manoj V. Tomas attended the General Body Meeting of the Kerala Catholic Council at POC, Kochi on 4/12/2019.

Faculty Achievement

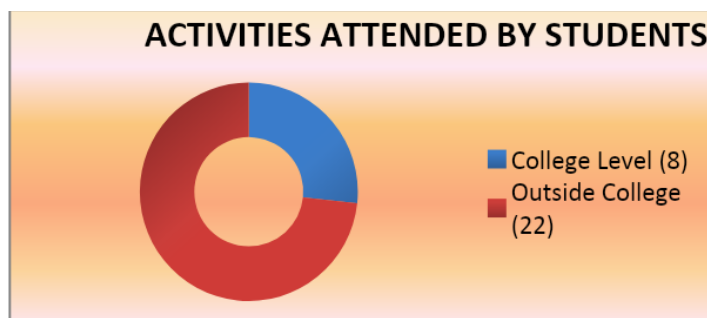


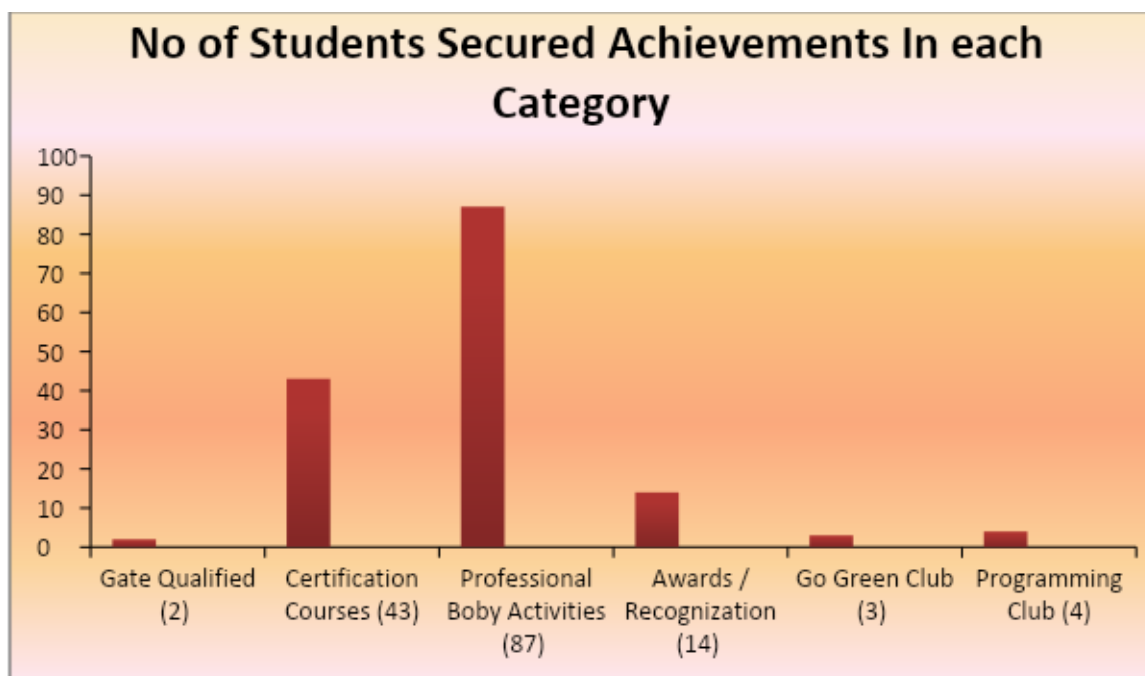
STUDENT ACHIEVEMENTS

SI No	Details	Batch	Achievement
1	Mr. Shufaid of S8 CSE qualified the GATE examination 2019.	2015-2019	GATE
2	Mr. Ashik S N, S6 CSE student is recognized in the HALL OF FAME of GOOGLE for his outstanding performance in finding a bug in GOOGLE product.	2016-2020	Recognition by Google
3	Mr. Aromal (S5 CSE) attended ICT academy membership launch on Trissur on 1/10/2019	2017-2021	Professional Body Activity (CSI)
4	14 students from S3, S5, S7 CSE enrolled for Deep Learning certification course by IITM and GUVI.	2016-2020 2017-2021 2018-2022	Certification Courses

5	Mr. Ashik S N, Ms. Dhanya Sudhakaran, Ms. Kavya Rajeev E, Ms. Dharsana Narayanan, Mr. Akash Augustine K, Ms. Merin John, Mr. Harshin Ramesh, Ms. Varada M V cleared the Red Hat Certified System Administrator (RHCSA)	2016 - 2020 2017-2021	Red Hat Certification
6	Mr Janvin from S1 CSE B selected for IoT Challenge conducted at VJEC by IIT.	2019-2023	Professional Body Activity (ACM)
7	Ms Sincy Joseph received special scholarship from college for her outstanding performance.	2015-2019	VJEC Award
8	Mr Uvais Hassan(S2 CSE - A), Ms Aleena Joseph(S6 CSE) and Ms Kavya Padmanabhan(S8 CSE) received first, second and third prizes respectively for article contest conducted by ACM student chapter.	2019-2023 2017-2021 2016-2020	Professional Body Activity Awards (ACM)
9	Around 31 students from S6 CSE have been issued with Oracle Academy - Programming with PL/ SQL certificate	2016-2020	Professional Body Activity
10	Oracle Academy accounts for learning PL/SQL were created for S5 CSE students.	2017-2021	Professional Body Activity
11	Mr.Rohith P , S6 CSE was selected to attend Spark AR regional workshop by Facebook School of Innovation from 9/02/2020 to 01/03/2020	2017-2021	Recognition {Professional Body Activity (ACM)}
12	Mr. Aromal Joseph of S6 CSE became a certified Ethical Hacker.	2017-2021	Certification Courses
13	43 students from S6 CSE enrolled for InfyTQ foundation program.	2017 - 2021	Placement Activity
14	3 students from CSE are nominated for Google Explore ML student Bootcamp.	2016 - 2020	Google Explore ML student Bootcamp
15	15 students from S2 CSE have achieved NPTEL certificate for Problem Solving using C programming.	2019-2023	Certification Courses
16	Mr. Midhun Devasia (S6 CSE) and Mr. Amal Cherian (S4 CSE) have secured first and second prize respectively for the essay writing competition conducted under Go-Green Club.	2016-2020 2017-2021	Club Activities Award (Go Green Club)
17	Mr. Arjun Govindan S6 CSE attended Explore ML program at Google Bangalore from July 27-28, 2019.	2016-2020	Recognition
18	Ms. Bagya Girish Third Rank Kannur University.		University Level
19	Ms. Sincy Varghese Outstanding Performance Award	2015-2019	College Level
20	Mr. Akash Ajith (S2 CSE A) got second prize for the Quiz Competition conducted under Go Green club VJEC.	2019-2023	Club Activities Award (Go Green Club)
21	Mr. Rahnas K T and Mr. Dheeraj K from S2 CSE- A and Mr. Abhijith Gopinath and Mr. Joel Baby from S4 CSE secured first prize in the coding marathon competition conducted by the programming club.	2019-2023 2018-2022	Club Activities Award (Programming Club)

22	Ms. Juhi Krishna from S8 CSE qualified GATE examination 2020.	2016-2020	GATE
23	The following students have been selected for attending IoT Challenge 2020 final event at IIT Bombay. 1. Mr. Akshay Mohan, S5 CSE 2. Mr. Rohith P R, S5 CSE 3. Mr. Shebin Paul, S5 CSE 4. Mr. Karun Jose Tomson, S7 CSE 5. Mr. Agin Chandran, S5 CSE 6. Ms. Arundhathi Anil, S5 CSE 7. Ms. Linisha Suresh, S5 CSE 8. Mr. Vivek Rajan Nair, S5 CSE 9. Mr. Aalap Ragesh, S1 CSE 10. Mr. Achal Dev P, S1 CSE 11. Mr. Farzeen Rahman, S1 CSE 12. Mr. Sidharth K V, S1 CSE	2017-2021 2019-2023	Professional Body Activity(ACM)
24	Aalap Ragesh (S2 CSE A) had won first prize in online Quiz competition by IEEE.	2019-2023	IEEE Award
25	Diya S (S2 CSE A) had won third prize in online Quiz competition on the topic of " Industry 4.0 & Latest trends in the Industry "organized by IEEE IAS SBC VJEC	2019-2023	IEEE Award
26	Ms. Sreelakshmi Suresh Kumar secured NPTEL Elite Certificate for Programming in Java.	2017-2021	Certification Course (NPTEL)
27	Ms. Anila Sebastian secured NPTEL Elite certification in Data Base Management System.	2017-2021	Certification Course (NPTEL)
28	Mr. Abhinkrishna P V secured NPTEL Elite certification in Data Base Management System.	2017-2021	Certification Course (NPTEL)
29	Ms. Aleena Joseph secured NPTEL Elite certification in Data Base Management System.	2017-2021	Certification Course (NPTEL)
30	Ms. Aleena Mathew secured NPTEL Elite Certificate for Programming in Java.	2017-2021	Certification Course (NPTEL)





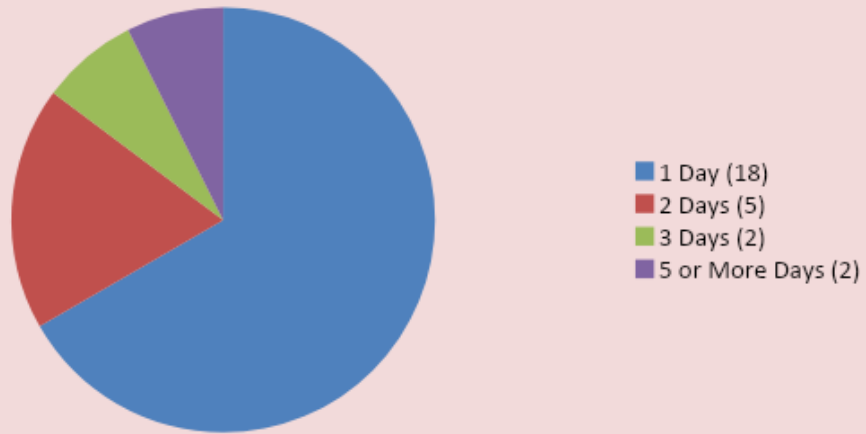
EVENTS ORGANIZED

Sl No	Details	Date(From - To)	No of Days	Faculty Coordinator	Category
1	National Eligibility cum Entrance Test is an entrance examination for medical courses. Dr. Manoj V Thomas (HoD CSE), Mr. Jilson P Jose, Ms. Anisha Joseph and Ms. Anjana Baby successfully coordinated the conducting of the exam at VJEC campus.	05/05/2019	1	Dr. Manoj V Thomas, Mr. Jilson P Jose, Ms. Anisha Joseph Ms. Anjana Baby	-
2	Summer Camp was conducted at the department for high school students to provide them awareness about the different opportunities in CSE.	20/5/2019 -21/5/2019	2	Dr. Manoj V Thomas , Ms. Akhila Mathew, Mr. Jilson P Jose, Mr. Sibi Joseph and Mr. Lithin Mathew	Summer Camp
3	One day Technical Refresher Program for faculty on iOS App Development was conducted at Software Lab.	17/6/2019	1	Ms. Derroll David	Technical Refresher Program
4	One day Technical Refresher Program for faculty on Microsoft excel was conducted at CAD lab , ME dept.	25/6/2019	1	Ms. Ancy K Sunny	Technical Refresher Program
5	Five days "Industrial Training on Microprocessor Programming and its Applications" for S5 CSE (2017 - 2021 Batch)	1/7/2019 - 5/7/2019	5	Ms. Ancy K Sunny	Program To Fill The Gap

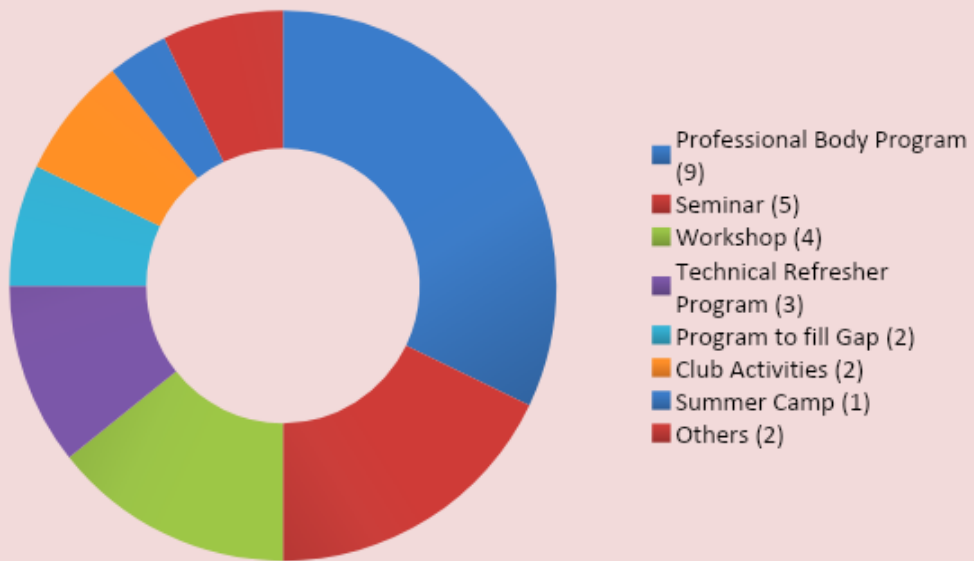
6	One day FDP on "Python Programming and its Application" at Vimal Jyothi Engineering College.	8/7/2019	1	Dr. Manoj V Thomas	Technical Refresher Program
7	Three day workshop for S3 CSE (2018- 2022 batch) on "Advanced C".	24/7/2019 - 26/7/2019	3	Ms. Neena V V, Ms. Anisha Joseph, Ms. Keerthijith P	Workshop
8	Three days workshop for S7 CSE (2016 - 2020 batch) on "iOS App Development".	29/7/2019 - 31/7/2019	3	Ms. Derroll David	Workshop
9	Student Induction Program (2019-2023 Batch)	2/8/2019 - 9/8/2019	8	Dr. Manoj V Thomas	Program To Fill The Gap
10	A seminar talk on "How to get job in Software Industry " by Hamon Technology as part of Lycaem program for S7 CSE(2016-2020 Batch).	3/9/2019	1	Ms. Derroll David	Seminar (Placement Cell Activity)
11	Workshop on "Basics of C Programming"	3/9/2019-4/9/2019	2	Ms. Akhila Mathew	Professional Body Program (CSI)
12	ACM Student chapter, VJEC organized an article contest, WriteATHon, in the areas related to Machine Learning, Internet of Things and Edge AI for the CSE students.	6/9/2019	1	Ms. Divya B	Professional Body Program (ACM)
13	ACM Student Chapter, VJEC, in association with i3india Technologies and Aakaar, IIT Bombay, had organised prelims of IoT Challenge 2020	28/9/2019 - 29/9/2019	2	Ms. Divya B Ms. Neena V V	Professional Body Program (ACM)
14	ACM Student chapter organized a workshop for the CSE students on Google Explore ML- beginners track.	29/10/2019	1	Ms. Divya B	Professional Body Program (ACM)
15	"One day workshop on R for teachers" at VJEC, in association with IIT Bombay.	9/11/2019	1	Dr. Jeethu V. Devasia	Workshop
16	Coding marathon competition for S2 CSE (2019-2023 Batch) and S4 CSE (2018-2022 Batch) organized under programming club	24/1/2020	1	Ms. Keerthijith P	Club Activities (Programming Club)
17	Two day workshop on Block chain technology	15/2/2020 - 16/2/2020.	2	Ms. Akhila Mathew	Professional Body Program (CSI)
18	Arranged webinar on "Build Career on Devops, ML & AI Technologies" conducted by RedHat Acedemy.	24/2/2020	1	Ms. Anisha Joseph	Seminar
19	"One day workshop on C and C++ for teachers" at VJEC in	29/2/2020	1	Dr. Jeethu V. Devasia	Workshop

	association with Teaching learning center at IIT Bombay				
20	As part of "National Science Day 2020" Quiz Competition was conducted by the Department of Computer Science and Engineering in association with Go Green club.	4/3/2020	1	Ms. Anisha Joseph	Club Activities (Go Green Club)
21	CSI conducted workshop on the topic "Hyper ledger Fabric" at VJEC, on 7 & 8 March, 2020.	7/3/2020 – 8/3/2020	2	Ms. Akhila Mathew	Professional Body Program (CSI)
22	Mr. Jilson P Jose(AP, CSE) trained 8 students and 5 faculty and they got certification for Red Hat Certified System Administrator (RHCSA)	NA	NA	Ms. Anisha Joseph	Certification (Red Hat)
23	ACM student chapter is organizing "Cywiro-Online Debugging Competition" for the students.	18/5/2020	1	Ms. Divya B	Professional Body Program (ACM)
24	ACM student chapter is organizing "Cognite-Online Quiz Competition" for the students.	25/5/2020	1	Ms. Divya B	Professional Body Program (ACM)
25	Webinar handled by Mr. Alan Jose Tom, 2015-2019 CSE Alumni is being organized for S6 CSE (2017-2021 Batch) students.	15/5/2020	1	Ms. Ancy K Sunny Ms Achala Prasad	Seminar
26	Webinar handled by Mr. Adarsh R Jayan, 2012-16 CSE Alumni, is being organized for S4 CSE (2018 -2022 Batch)students.	15/5/2020	1	Ms Neena V V	Seminar
27	Webinar handled by Mr. Amal George Thomas, 2012-16 CSE Alumni, is being organized for S8 CSE (2016-2020 Batch) students.	16/5/2020	1	Ms. Divya B	Seminar
28	CSI student chapter is organizing "Coding Competition" for the students.	22/5/2020	1	Ms. Akhila Mathew	Professional Body Program (CSI)

Events Organized (Based on No of Days)



Events Organized



CAMPUS PLACEMENT

Sl. No.	Details	Batch	Company	Salary (per annum)
1	Ms. Abhina and Ms. Anjulia got placed in Infosys campus drive held at MBIT Kothamangala	2015 - 2019	Infosys	3.60 LPA
2	Mr. Abhinav C & Mr Amal of S7 CSE cleared the first round of TCS InfraMind	2016 - 2020	TCS InfraMind	NA

3	Nameer C K, Akash P and Sarath got placed in Etuwa Concepts.	2015 - 2019	Etuwa Concepts	1.80 LPA
4	Mr. Akshay S and Mr. Jeswin got placed in Diya Systems, Bangalore.	2015 - 2019	Diya Systems	2.00 LPA
5	Ms Aparna Udayakumar, Ms Varada M V, Ms Juhi Krishnan & Mr. Gokul Kumbakkara of S7 CSE got placed in TCS.	2016 - 2020	TCS	3.36 LPA
6	Ms Ann Mary George, Mr. Akash Augustine, Mr. Ashlin K Wilson, Ms. Athulya Maria babu, Ms Farhana Mohammed Ali, Mr.Nirmal Sudharman, Mr.Wissam Salih Abdulla & Ms.Malavika Muralidaharan, of S7 CSE got placed in Accenta Education.	2016 - 2020	Accenta Education	1.50 LPA
7	Mr. Aadarsh Unni Wilson, Mr.Ajay Joy, Mr. Akash T, Mr. Amal, Ms.Athulya Maria Babu and Mr. Malavika Muralidharan of S7 CSE got placed in BVOY Tech solution.	2016 - 2020	BVOY Tech Solution	1.44 LPA
8	Ms. Dharsan narayanan, Mr. Dony James, Mr. Aadarsh Unni Wilson, Ms.Bindya Rajeev, Ms .Kavya Padmanabhan, Ms. Merin John, Mr.Midhun Devasia, Ms.Niveditha V and Mr. Wissam Salih Abdulla of S7 CSE got placed in Infiniz IT solutions.	2016 - 2020	Infiniz IT Solutions	1.20 LPA
9	Ms Ann Mary George, Ms Bindya Rajeev and Ms. Dharsana Narayanan of S7 CSE got placed in Mindtree.	2016 - 2020	Mindtree	3.60 LPA
10	Mr. Vishnu T of S7 CSE got placed in WIPRO	2016 - 2020	WIPRO	3.36 LPA
11	Mr. Ajay Joy, Mr. Arjun Govindan, Ms. Dharsana Narayanan, Ms. Haritha Raghu, Ms. Kavya P, Ms. Nithya Joshy, Ms. Varna Baby. Ms. Vishnu T, got placed in Wipro	2016 - 2020	WIPRO	3.36 LPA
12	Ms. Abhinav C, Mr. Arjun Govindan, Ms. Juhi Krishna, Ms. Karthik Suresh, Ms. Merin John got placed in Federal bank	2016 - 2020	Federal Bank	4.25 LPA
13	Mr. Abhijith P, Mr. Ajay Joy, Ms. Ann Mary, Ms. Bindhya Rajeev, Ms. Fathima Shehzadi, Ms. Kavya Rajeev, Ms.Malavika M got placed in Infosys.	2016 - 2020	Infosys	3.00 LPA
14	Mr. Harshin Ramesh, Ms. Malavika M, Mr. Aadarsh Unni, Ms. Dharshana Narayanan, Ms. Ann Mary George, Ms. Megha C Roy, Ms. Kavya P, Ms. Merin John got placed in UST Global.	2016 - 2020	UST Global	3.60 LPA
15	Mr. Alby T S and Mr. Amal of S8 CSE got placed in ECO Systems - Thrissur.	2016 - 2020	ECO Systems	3.00 LPA
16	Mr. Midhun Devasia of S8 CSE got placed in BYJU's	2016 - 2020	BYJU's	3.00 LPA
17	Mr. Vishnu Pradeep (S8 CSE) got placed in ULTS. Mr. Rahul (S8 CSE) got placed in ULTS.	2015 - 2019	ULTS	1.80 LPA

18	TCS specific training conducted for S7 CSE 2016 - 20 batch.	2016 - 2020	TCS Training	NA
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AUDITS

SL. NO.	DETAILS	DATE (From - To)	FACULTY RESPONSIBLE
1	NAAC Visit	12.03.2019 - 13.03.2019	Ms. Akhila Mathew
2	KTU internal audit for all semesters conducted.	14/10/2019	All Faculty
3	KTU external audit for all semesters was conducted.	04/11/2019	All Faculty
4	KTU internal audit for all semesters conducted	12.12.2019	All Faculty
5	ISO internal audit was conducted	26.02.2020	Ms.Keerthijith P
6	ISO external audit was conducted	28.02.2020	Ms.Keerthijith P
7	Stock verification of inter and intra departments assigned to various faculty of CSE are completed.	April 19	All Faculty
8	KTU internal audit for all semester conducted on 21/5/19.	21/5/19	All Faculty

IQAC

- Completed IQAC for odd semester assignments and question papers
- Completed IQAC for even semester assignments and question papers

ACHIEVEMENTS OF THE DEPARTMENT

- NBA Team visited the department on 03.02.2020. The Department of CSE got NBA Re – Accreditation for the period 2020 – 2023.
- With tremendous effort from faculty and students the department was able to give outstanding performance in KTU End Semester Examinations.
 1. 2017 - 2021 Batch secured 5th position in Third Semester KTU Examination.
 2. 2017-2021 Batch secured 4th Position in Fourth Semester KTU Examination.
 3. 2018-2022 Batch secured 15th Position in Second Semester KTU Examination.

ADDITIONAL FACILITY & BEST PRACTICES

- Mr. Jilson P Jose started Red Hat training for faculty and students from 01.04.2019. The classes ran successfully and it turned into the certification of four faculties and eight students.

- S2 CSE (2018-2022 Batch) students extended their help and service to Providence Home, Vilamana. The program enlightened the students about the social commitment and responsibility of each individual to the society. They were accompanied by Ms. Neena V V and Ms. Keerthijith P, faculty of our department. The visit was conducted on 10.04.2019.
- Jyothirgamaya 2019 and Merit Day was conducted on 23.07.2019 for students holding first, second and third in their academics, along with extra-ordinary performance in arts & sports are also awarded merit on this day.
- The 1st Graduation Day for the graduating students of B.Tech 2015-19 batch of KTU was held in the Campus on 24.07.2019.
- Ms Divya B & Mr. Jilson P Jose started Youtube Channels for CS303 System Software and Programming Paradigms.
- Ms. Derroll David published a departmental newsletter for the month of April '19, June '19, August '19.
- Ms. Achala Prasad published departmental newsletter for the month of October '19, December '19, February '20, April '20.
- Ms. Keerthijith coordinated the GATE coaching for 2020 batch.
- Conducted college B.Tech admission for the year 2019 - 2020 successfully. Dr. Manoj V Thomas(Admin officer), Jilson P Jose, Ancy and Anisha were the core admission committee.
- ☒ Dr. Manoj V Thomas, Ms. Derroll David and Non technical staff are coordinating in the data collection of plus 2 students for admission 2020.
- The first year students(2019-23 Batch) of CSE visited HOPE-Pilathara, Chemperi and Velakannur on 15.02.2020.This charity program helped the students to get a good opportunity to know the people in and around them, who are suffering from different problems in their life. They were accompanied by Sr. Jisha C.T, Ms. Tintu Devasia, Mr. Sibi Joseph and Ms. Vidhya SS , faculty of our department.
- The first year CSE students were provided with Bootcamp from 24.06.19 to 26.06.19 at the department. Dr. Manoj V Thomas (HoD CSE) along with faculty and senior students handled various sessions on startup vision, hardware components OS installation, experience sharing, team building games, coding introduction, group discussion, soft skills and communication in English etc.

CONSULTANCY & SOFTWARE SUPPORT

- Students of S6 CSE (2016-2020 batch) developed a website for National Conference on Recent Trends in Civil Engineering, VJEC in association with the Software Development Cell in our department. The faculty in charge was Ms. Derroll David.
- All the departmental and college related Activities in CMS are communicated and updates in Spaneos by Ms. Ancy K Sunny. She Prepared and communicated requirements in the following modules, by handling the role of College Admin, Department Admin and SPOC of ERP.
 - Academics
 - Faculty
 - Leave
 - Faculty Performance
 - Feedback
 - NBA
 - Pre admission
 - Application

- Accounts

INDUSTRIAL VISIT

- The industrial visit for various batches of the department was conducted from 04.10.2019 to 07.10.2019.
 - S3 (2018-2022 Batch) CSE students visited NCAOR , Goa along with Dr.Manoj V. Thomas and Ms. Keerthijith P.
 - S5 (2017-2021 Batch) CSE students visited , Fresh Foods Goa along with Mr. Lithin and Ms. Achala Prasad.
 - S7 (2016-2020 Batch) CSE students visited NCAOR , Goa along with Mr. Timmy Philip and Ms. Akhila Mathew.



Report on Teachers' Participation in Faculty Development Programmes (FDP) in the academic year 2019-20

During the academic year 2019-20, faculty members from our institution actively participated in various FDPs and workshops aimed at enhancing their knowledge and skills in different areas of engineering and education. Below is a comprehensive overview of the events attended by the faculty members:

- 1. AICTE Sponsored STTP on Engineering Education:- A Transdisciplinary Approach in Engineering**
 - Date: 16/07/2019 to 21/07/2019
 - Participants: Shinu M M, Shamyia A, Jinsa Mathew, Reema Mathew, Abdul Latheef, Shalet K S, Dhanoj Mohan, Athira K, Rojin P, Ashwin Joy, Mithul Raj M, Anju E C, Logi N Bobby, Prajisha V P, Shika S, Sigi Thomas, Anitta Jose, Akhila Mathew, Ms.Laly James, Dinesh C.K, Tinu Francis, Riya Joy and Vinaya S M.
- 2. Workshop on Outcome Based Education:**
 - Date: 29/02/2020 to 01/03/2020
 - Participants: Abdul Latheef, Shinu M M.
- 3. FDP on Recent Trends in Electric Drives:**
 - Date: 06/01/2020 to 09/01/2020
 - Participant: Shamyia A.
- 4. Online Workshop on Fuzzy Logic and Neural Network Approaches:**
 - Date: 29/04/2020 to 30/04/2020
 - Participants: Shinu M M, Dhanoj Mohan, and Dr. G Glan Devadhas, Manoj K C
- 5. FDP on Emerging Areas in Manufacturing:**
 - Date: 25/05/2020 to 30/05/2020
 - Participants:Shinu M M, Jinsa Mathew, G Glan Devadhas, Divya K, Dr. S Christopher E Singh, Dr. Sreedharan, Ryne P M, Midhun Mukundan, Shaji George, Rameshan Kp, Shaminmuth K K, Aji Augustine, Gokulnath R, Johny P Joseph, Alex George, Dr. Sreekanth Mp, Niyas K M, Dr. Sivaprasad P V,Jerrin Yomas, Jyothi Joseph and Dilin Dinesh.
- 6. Faculty Development Program on Innovation, IPR, Entrepreneurship & Startups:**
 - Date: 28/04/2020 to 22/05/2020
 - Participant: Dr. V Sampath Kumar.
- 7. Faculty Development Program on Research Opportunities in Electrical Engineering and its Applications:**
 - Date: 18/05/2020 to 23/05/2020
 - Participant: Dr. V Sampath Kumar.

8. FDP on Industrial Revolution Post Covid 19:

- Date: 22/05/2020 to 27/05/2020
- Participant: Dr. G Glan Devadhas.

9. Workshop on Application of Power Electronics in Electric Vehicle Technology:

- Date: 18/05/2020 to 22/05/2020
- Participant: Dr. G Glan Devadhas.

10. Faculty Development Program on Deep Learning:

- Date: 09/07/2019 to 11/07/2019
- Participant: Akhila Mathew.

11. FDP on Rehabilitation and Retrofitting of Structures

- Date:04/06/2020 - 06/06/2024
- Participant: Ms. Anuragi P,Mr. Ashwin Joy,Mr. Abhijath I P,Ms. Margaret Abraham,Ms. Anitha Babu,Ms. Anitta Jose, Mr. Logi N Bobby, Ms. Maqsooda Jhs, Ms. Hridya P, Ms. Indu T, Ms. Rinnet Francis, Ms. Prajisha V P, Mr. Saneesh K, Mr. Rojin P, Ms. Sigi Thomas, Mr. Sreejith K, Ms. Vinaya S M

12. FDP on State of the Art Practices in Transportation Engineering

- Date:10/06/2020 - 12/06/2020
- Participant: Mr. Ashwin Joy,Mr. Abhijath I P,Ms. Margaret Abraham,Ms. Anitha Babu, Mr. Logi N Bobby, Ms. Maqsooda Jhs, Ms. Hridya P, Ms. Indu T, Ms. Rinnet Francis, Mr. Saneesh K, Mr. Rojin P, Ms. Sigi Thomas, Mr. Sreejith K, Ms. Vinaya S M,Ms. Anitta Jose

13. FDP on Interaction of Coastal Development with Coastal Processes - Its Highlights and Challenges

- Date:09/12/2019 - 14/12/2019
- Participant: Mr. Sreejith K

14. FDP on Recent and Emerging Trends in Fluid Mechanics Research

- Date:02/12/2019 - 07/12/2019
- Participant: Ms. Athira K

15. Online FDP on Blockchain

- Participant: Dr. Jeethu V. Devasia,Dr. Manoj V. Thomas
- Date: 27/05/2020 to 31/05/2020

16. FDP on Internet of Things

- Participant: Ms. Divya B, Ms. Neena V V
- Dates: 07/05/2020 to 11/05/2020

17. FDP on School on Advanced Control Systems

- Participant: Mr. Abdul Latheef
- Dates: 09/12/2019 to 14/12/2019

18. FDP on Cyber Security

- Participant:Ms. Derroll David
- Dates: 28/05/2020 to 01/06/2020

19. FDP on Data Science

- Participant: Ms. Keerthijith P
- **Dates:** 18/04/2020 to 22/04/2020

20. FDP on Robotics, Model Finishing School, Trivandrum

- Participant: Ms. Achala Prasad
- **Dates:** 27/11/2019 to 01/12/2019

21. FDP on Foundations of Data Science

- Participant: Mr. Ajvad Haneef K
- **Dates:** 11/12/2019 to 14/12/2019

22. FDP on Java Programming

- Participant: Dr. Jeethu V. Devasia
- **Date:** 08/05/2020 to 12/05/2020

23. FDP on Student Induction

- Participant: Dr. Manoj V. Thomas
- **Dates:** 23/07/2019 to 29/07/2019

24. FDP on Artificial Intelligence and Machine Learning Training of Trainers

- Participant: Mr. Ajvad Haneef K
- **Dates:** 24/08/2019 to 25/08/2019

25. FDP on Electric Vehicles : EXPLORING INSIDE THE BOX

- Participant: Amrutha Maria Mathew, Tintu George T, Jyothi Joseph
- **Dates:** 9 - 12 June 2020

26. FDP on Essentials for Blended Learning

- Participant: Bindu Sebastian
- **Dates:** 29/04/2020 - 30/04/2020

27. AICTE sponsored FDP on Digital Learning: The Prospects of IoT Technology in Education

- Dr. Jayesh George M, Jithin James
- **Dates:** 25/11/2019 - 06/12/2019

28. Artificial Intelligence & Machine Learning Using Python

- Participant: Dr. Anto Sahaya Dhas, Vinod J Thomas, Manoj K C
- **Dates:** 18/05/2020 - 27/05/2020

29. AICTE sponsored FDP on Wireless communication networks and signal processing

- Participant: Dr. Roshini T.V, Lekshmy S, Shimna P.K, Sudharsana Vijayan
- **Dates:** 25/11/2019 - 06/12/2019

30. FDP on Machine learning & Deep learning

- Participant: Jerrin Yomas
- **Dates:** 27/05/2020 - 31/05/2020

31. FDP on recent advances in sensors and actuators

- Participant: Sangeeth S
- **Dates:** 27/05/2020 - 31/05/2020

- 32. FDP on MATLAB Applications in Engineering and Science**
 - Participant: Dr.G.Justin Sunil Dhas
 - **Dates:** 27th April - 01st May 2020
- 33. FDP on Hybrid wind – PV Distributed Generator for Microgrid**
 - Participant: Dr.R.Senthilkumar
 - **Dates:** 30.04.2020
- 34. FDP on Advanced Controller design for Power Electronic Converters**
 - Participant: Dr.R.Senthilkumar, Indulekha K M
 - **Dates:** 02/05/2020 to 04/05/2020
- 35. FDP on Electrical vehicle and renewable powered charging stations**
 - Participant: Indulekha K M
 - **Dates:** 15/12/19 to 21/12/19
- 36. FDP on Integration Of Green Energy**
 - Participant: Tintu George T
 - **Dates:** 22- 27 June 2020
- 37. FDP on Advanced power system simulation softwares**
 - Participant: Teena George
 - **Dates:** 25/06/20 to 27/06/20
- 38. FDP on Nano Composites & Nano Materials**
 - Participants: Mr.Gokulnath R, Mr. Mejo M Francis, Dr.Sreekanth MP, Dr. S Christopher E Singh, Dr. G Glan Devadhas, Mr Shinu M M,
 - **Dates:** 08/06/2020-20/06/2020
- 39. FDP on Bio Fuels and its Applications**
 - Participant: Mr. Mejo M Francis
 - **Dates:** 01-05 June 2020
- 40. FDP on Novel Materials and applications**
 - Participant: Cdr.Raju Kuriokose (Retd), Dr .Sreedharan
 - **Dates:** 13-18 May 2020
- 41. FDP on Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles**
 - Participant: Shelma George
 - **Dates:** 1st – 5th June 2020

These events provided valuable opportunities for our faculty members to engage in professional development, exchange ideas, and stay updated with the latest trends and technologies in their respective fields.