

VIMAL JYOTHI ENGINEERING COLLEGE

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

ANNUAL REPORT

2021-2022

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.

It is with great pleasure and enthusiasm that we present to you the Annual Report of Vimal Jyothi Engineering College for the year 2021-22. In the ever-evolving landscape of education, Vimal Jyothi Engineering College continues to stand tall as a beacon of knowledge, innovation, and excellence. This report encapsulates our journey, achievements, and the remarkable progress we have made in shaping the future of engineering education.

During the academic year 2021-22, Vimal Jyothi Engineering College (VJEC) continued its legacy of excellence, earning recognition from the All India Council for Technical Education (AICTE) for offering 630 seats across diverse engineering branches. Despite the available seats, VJEC admitted 469 students. Remarkably, 126 students from the college secured placements, underscoring VJEC's dedication to providing top-notch engineering education that translates into tangible career opportunities. The institution's emphasis on quality education and successful career outcomes further establishes VJEC as a leading choice for aspiring engineers seeking a robust educational foundation and promising future in the engineering industry.

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 2021-22

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). The Department is accredited by NBA (National Board of Accreditation) in 2022.

ADMISSION

Academic Year	Sanctioned Intake	Actual Intake
<u>2021-22</u>	<u>30</u>	<u>14</u>

RESULT

Academic Year	No: of students Graduated
2021-22	5/14

DEPARTMENTAL ACTIVITIES:

- Department of Electronics & Instrumentation conducted a workshop on Industrial Robotics on 12th April 2022

- Department of Electronics & Instrumentation Organized Workshop on "Calibration of Instruments" in association with ISA & ISOI chapters and Unique Calibration Technologies, Cochin, on 20th April 2022,
- The 'Navayuva contest cum career guidance'- 2022 was conducted by the Department of Electronics and Instrumentation on 6th March 2022.
- Department of Electronics & Instrumentation conducted a Webinar in Opportunities in Instrumentation for Engineering aspirants and their parents on 14th August 2021 in online mode
- The Department of Electronics and Instrumentation Engineering organizes an Alumni interaction with the current batch students on Saturday, 25th September 2021 through Google meet
- Department of Electronics & Instrumentation conducted Techfest "INSTRUS 2021" from 29th September to 3rd October 2021
- The Department of Electronics and Instrumentation Engineering organizes an Alumni interaction with the current batch students on Saturday, 4th December 2021
- Department of Electronics & Instrumentation Engineering conducted 5 days Faculty Development Program(online) on "Virtual and Augmented Reality for Robotics", sponsored by AICTE training and learning on 12th July 2021 to 16th July 2021.
- Department of Electronics and Instrumentation Engineering is conducting a 25 days training program on PG diploma in industrial automation from 22nd July to 15th August 2021 for 2020-21 AEI students.
- Sixth Semester student Visited Fresh N Nice foods Pvt Ltd, Goa, as a part of industrial visit, on 10th June 2022

FACULTY ACHIEVEMENTS:

- Dr. G Glan Devadhas Filed patent on title "Solar Powered Oxygen Depletion Level Alerting System"
- Mr. Shinu MM AP EIE, were performed as Resource person for the Workshop on Workshop on OBE and CO-PO attainment calculation, held on 4th June 2022 at VJEC.
- Ms. Shmaya A joined for part time Phd in KTU

- Mr. Shinu M M joined for part time Phd in Karunya University, Tamil Nadu
- Ms. Reshma K V & Ms. Jinsa Mathew joined for part time Phd in SRM IST, Tamil Nadu
- Mr. Shinu M M -Student Project on title “Development of fertile egg detection and incubation system using image processing and automatic candling “ – selected by IRPS
- Dr. G Glan Devadhas- Student Project on title Fall detection and early diagnosis system - selected by IRPS

FACULTY PARTICIPATION:

- Dr. G Glan Devadhas Attended IEDC Nodal officers MDP at IIM Kozhikode on 25th to 28th May 2022.
- Ms. Shamy A & Ms. Jinsa Mathew attended 5-day online FDP on Inculation Universal Human Values in Technical Education conducted by Aicte, from 2nd August to 6th August 2021.
- Mr. Jollykutty Sebastian attended online elementary FDP on "Sensor Technology in Lyfestyle Enrichment" from 2/8/21 to 6/8/21 at EASWARI Engineering Collage. •
- Mr. Jollykutty Sebastian attended FDP on 'IOT framework for agriculture sector' from 6/9/21 to 10/9/21 at LBS college of engineering kasargod.
- Ms. Shamy A & Ms. Jinsa Mathew attended webinar on how to conduct SIP, on 20th September 2021
- Dr. V. SampathKumar, Ms. Reshma KV, Ms. ShamYa A, Mr. Shinu M M, Mr. Dhanoj M, Ms. Jinsa Mathew and Mr. Thomas M S participated ATAL Sponsored online FDP on Virtual & Augmented Reality from 12th July to 16th July 2021 conducted by Vimal Jyothi Engineering College.
- Mr. Jollykutty Sebastian participated ATAL sponsored online FDP on Advances in Earthquake Engineering From 26th July to 30th July 2021 conducted by LBS college of Engineering, Kasaragod

FUND SANCTIONED:

- Rs. 10000/- for Student Project on title “Development of fertile egg detection and incubation system using image processing and automatic candling “ –by IRPS
- Rs. 10000/-- Student Project on title” Fall detection and early diagnosis system “ - by IRPS

STUDENTS ACHIEVEMENTS:

- Mr. Muhammed Raheel, S6 AEI- Successfully completed NPTEL on line course on Introduction To Industry 4.0 And Industrial Internet Of Things.
- Aswin Vinod C, S4 AEI- Securing SGPA 10 in S1 and S2 Univeristy Exam
- Mr. Salvin Jose K, S5 AEI- Successfully completed NPTEL on line course on Stress Management.
- Ms. Sneha Jose- S7 AEI- Successfully completed NPTEL on Fuzzy set, logic and systems and applications.
- Mr. Athul T P- S7 AEI Successfully completed NPTEL on line course on Semiconductor Devices & Circuits
- Aswin chand, Binishith Babu, Jiss George, Sebastian Jacob- Project on title “Development of fertile egg detection and incubation system using image processing and automatic candling “ – selected by IRPS
- Sneha Jose, Sanjay P T, Athul Tp- Student Project on title Fall detection and early diagnosis system – selected by IRPS

STUDENT PLACEMENT:

- Ms. Sneha Jose- S7 AEI Placed in TCS and Technologies Global Pvt Ltd
- Mr. Sanjay P T- Automation Company
- Athul T P- Infosys

PROFESSIONAL BODY ACTIVITIES:

- workshop on Industrial Robotics on 12th April 2022
- Workshop on "Calibration of Instruments" in association with ISOI & chapters and Unique Calibration Technologies, Cochin, on 20th April 2022,

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF MECHANICAL ENGINEERING

ANNUAL REPORT 2021-22

ADMISSION AY 21-22 FIRST YEAR

SANCTIONED INTAKE: 24

NO OF STUDENTS ADMITTED: 34

RESULTS 2018-22 BATCH

NO OF STDENTS REGISTERED: 75

NO OF STUDENTS GRADUATED: 34

SEMINARS/TECHNICAL TALK CONDUCTED:

1. On 03rd of June 2021, Department of Mechanical Engineering organized a webinar on “User Involved Product Development Using Additive Manufacturing” using Google Meet from 03:00 PM to 04.00 PM for Second- & Third-Year Mechanical Engineering students
2. On 10th of September 2021, Department of Mechanical Engineering organized a webinar on “Mendeley Desktop” using Google Meet from 10:00 AM to 12.00 PM for Fourth-Year Mechanical Engineering students
3. The Department of Mechanical Engineering organised an ENTREPRENEURSHIP AWARENESS CAMP from 5th to 7th November 2021. The coordinators of the camp were Cdr. (retd), Raju K Kuriakose, Head of Mechanical Engineering Department and Dr. P Sridharan, Associate professor of Department of Mechanical Engineering. The camp was opened to students from all departments.
4. The Department of Mechanical Engineering in association with Avodha EduTech Private Limited, organized a Career oriented Webinar on “Importance of soft skill in personal and professional life. Job opportunities in current market scenario” using Google Meet on 19-11-2021 from 2 pm to 3 pm. The webinar was live streamed in the classroom.
5. An online session on ‘Study Abroad - Opportunities and Challenges’ was conducted to share the experience of VJEC alumnus who has settled in various countries across the globe. Mr. Lince Thomas (2008-12, ME) from U K, Mr. Athul Punnen (2015-19, ME) from UK, Mr. Midhun Joseph (2006-10 ME) from NEW ZEALAND interacted with participants.
6. The Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi- , Kannur, organized a Career oriented CNC SKILL DEVELOPMENT TRAINING for S7 ME Students on 26-11-2021,3-12-21,4-12-2021,10-12-21,17-12-21. Twenty students participated in the Training. The convener of the program was Cdr. (Retd.) Raju K. Kuriakose, Head of the Mechanical Engineering Department, VJEC.
7. The Department of Mechanical Engineering, in association with MTTC INTERNATIONAL LLC, organized a Career oriented Seminar on “Career opportunities in various sectors in the field of Mechanical Engineering” on 19-04-2022 from 1.30 pm to 3 pm.

TRAININGS ORGANISED:

The Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur organized a Career oriented Online CNC Training using Google Meet on 29-06-2021 to 01-07-2021. The training was conducted for S6 ME Students

MEETINGS ORGANISED:

1. A farewell meeting was conducted for 2017-21 batch students, online, on 15-06-2021. Cdr. Raju K. Kuriakose (Retd), Head of Mechanical Engineering Department, VJEC Chemperi, welcomed the participants. Presidential Address was given by Dr. Benny Joseph, the Principal, VJEC, Chemperi.
2. Programme Assessment and Quality Improvement Committee meeting was held online on 26-07-2021. The various agenda points discussed were review of Low attainment subject details, review of PO/PSO attainment comparison with courses, review of AY wise & Batch wise comparison of attainment level, review of Course level CO-PO Mapping,
3. An online PTA Meeting of S2 ME (2020-24 batch) and S4 ME (2019-23 batch) were conducted on 06-09-2021 and 08-09-2021 respectively through the online platform of Google Meet. Many Parents attended the meeting along with their wards. Dr. Benny Joseph, the Principal, VJEC gave the welcome speech. Cdr. (Retd.) Raju K Kuriakose, Head of the Department, chaired the session.
4. The Department of Mechanical Engineering, Vimal Jyothi Engineering College, organized an Online Alumni Meet “RETROSPECT’ 21” on 26 November 2021. The meeting was conducted on Google Meet platform from 08:00 PM to 09:30 PM. Dr. Benny Joseph, Principal, Vimal Jyothi Engineering College was the chief guest of the event. Mr. Shaminmuthu K K, Assistant Professor, Department of Mechanical Engineering welcomed everyone to the meeting.
5. The 8th PQIAC meeting was held on 30.10.2021 at 09.30am. All the PQIAC members attended the meeting to discuss the agenda points.
6. The PTA meeting for S3 ME 2020-2024 batch was held on 06th January 2022 at Msgr. Varikkat hall at 10 AM. PTA meeting of S5 ME was held on 06th January 2022 at 2 PM. Meeting of S1 ME was held on 21th January 2022.

PAPER PUBLICATIONS/PRESENTATIONS:

- 1 Dr. S.Christopher Ezhil Singh (Professor, ME), published paper (2021) “Influence of AZ91 Alloy Reinforced with Nano B4C particles on Microstructural Characterization, Mechanical and Tribological Properties prepared Through Powder Metallurgy”. Material Research Express, IOP Science, Vol.8, pp.1-9, I.F:1.62. (SCI Indexed) I.F:1.62
2. Dr. S.Christopher Ezhil Singh (Professor, ME), published paper (2021) “Sports Utility Vehicle Prediction based on Machine Learning Approach”, Journal of Applied Research and Technology, Vol.19, pp.184-193. (Scopus Indexed)
3. Dr. S. Christopher Ezhil Singh (Professor, ME) published research article “Performance Characterization of a Solar Cavity Collector Using Artificial Neural Network Hindawi” in Modelling and Simulation in Engineering Volume 2022, Article ID 7129833, on 23 March 2022

Dr. Sreekanth M P, assistant Professor, ME, VJEC, published the following papers.

4. A paper entitled "Investigation on mechanical properties for PolyJet-printed parts involving material reduction strategy" is published in the journal "International Journal of Rapid Manufacturing" (2021, Vol. 10, No. 1).

5. A paper entitled "Preliminary Prototype and Analysis of a Customized Handle for Winding Machine using Fused Filament Fabrication" in the "online technical sessions of 36th Indian Engineering Congress" organized by The Institution of Engineers (India), Kolakata during 15 - 16, December 2021.

FDPs/STTPs/WEBNARS ATTENDED:

1. Dr. Christopher E Singh (Professor, ME) attended the FDP on “Advances in Machining, Manufacturing and Computing Process”, organized by Department of Mechanical Engineering, JAIN (Deemed -to-be University), Bangalore, during 24 - 29 May 2021. (6 days).

2. Mr. Appu C Kurian (AP, ME) attended the FDP on “Bioconversion Technologies and Start Up Opportunities in Biofuels Production" Hosted by Silver Jubilee Govt. College (A), Kurnool,A.P., scheduled from 14-18 June 2021 (5 DAYS)-ATAL Academy Sponsored FDP.

3. Dr. Sreekanth M P (AP, ME) Participated & Successfully Completed the AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " MULT-OBJECTIVE OPTIMIZATION AND PRODUCT INNOVATION THROUGH TRIZ (THEORY TO RESOLVE INVENTIVE PROBLEMS)" from 12, July 2021 to 16, July 2021 organized by Department of Mechanical Engineering, Sri Shanmugha College of Engineering and Technology, Sankari, Salem, TN.

4. Dr. Sreekanth M P (AP, ME) attended FDP on "Outcome based education and Accreditation" Organised by Department of Computer Science and Engineering, VJEC, Chemperi on 20-07-2021.

5. Mr. Gokulnath R (AP, ME) attended on "Industry 4.0 & The digital supply chain” organized by Mechanical Engineering Dept., Mar Athanasius College of Engineering Kothamangalam, from Monday 26th July 2021 to Wednesday 28th July 2021.

6. Mr. Gokulnath R (AP, ME) attended FDP on "Outcome based education and Accreditation" Organised by Department of Computer Science and Engineering, VJEC, Chemperi on 20-07-2021.

7. Mr. Jerin Saji (AP, ME) attended FDP on " An Insight to Engineering Fluid Dynamics and Its Applications in Industry" from 26/07/2021 to 30/07/2021 organized by "The Department of Mechanical Engineering, LBS College of Engineering Kasaragod".

8. Mr. Rameshan K P (Associate Professor, ME) attended FDP on ‘Art gallery of Engineering graphics’ conducted by SCT Trivandrum from 02-08-2021 to 06-08-2021.

9. Mr. Johny P Joseph (Assistant Professor, ME) completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 2 August, 2021 to 6 August, 2021.

10. Mr. Niyas K M (Assistant Professor, ME) has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Operations Management" from 16/08/2021 to 20/08/2021 at Goa College of Engineering.

11. Mr. Niyas K M (Assistant Professor, ME) has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Novel Materials" from 23/08/2021 to 27/08/2021 at SRM Institute of Management and Technology.

12. Dr. Sridharan P (Associate Professor, ME) Handled a session for AICTE STTP on ‘Electrical Vehicle Dynamics and Control’ at ESEC Autonomous College, Erode on 25.9.21.

13. Mr. Appu C Kurian (Assistant Professor, ME) attended FDP on "Opportunities and challenges on Electric vehicle" from 16th to 27th August 2021.

14. Mr. Aji Augustine (Assistant Professor, ME) attended FDP on ‘Art gallery of Engineering graphics’ conducted by SCT Trivandrum from 02-08-2021 to 06-08-2021.

15. Mr. Gokulnath R (Assistant Professor, ME) attended a webinar on “Mendeley Desktop”, organised by Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi on 10-09-2021.

16. Mr. Ryne P M, Associate Professor, Department of Mechanical Engineering, VJEC attended 3 days workshop on CFD using Ansys Fluent From 18/11/2021 to 20/11/2021 at VIT, Andhra Pradesh.

17. Dr. Sreekanth M P, Assistant Professor, Department of Mechanical Engineering, VJEC, attended One Day Workshop on "NAAC and NBA Accreditation" organized by "EduCorp Centre for Research and Advanced Studies" on 14th November 2021, online.

Industrial Interactions

Industrial visits

As part of KTU Academic curriculum, the S8 ME- B students of Mechanical Engineering Department visited two industries, Mandovi Dry Docks, Shipyard, Rassaim, Goa & Chikmagalur Coffee on 1st and 2nd Apr 2022

MOUs

A Memorandum of Understanding is entered into as of 13th December, 2021, by and between Vimal Jyothi Engineering College, Chemperi, and Avodha Edutech Pvt Ltd. The general purpose of this MOU is to facilitate cooperation training, soft skill inculcation, coaching and academics between the college and the institution upon the principles of mutual benefit.

FACULTY ACHIEVEMENTS:

1. Dr. Sridharan P (Associate Professor, Dept. of ME, VJEC)

1) Presented a Topic on "**Robotics and Application**" in **ATAL FDP** on Virtual and Augmented Reality Organized by AEI VJEC on 12-07-21.

2) Presented a Topic on "**Latex in Research Article Writing**" in FDP organized by Karpagam Engineering on 09-07-2021

2. Dr. Sreekanth M P (Assistant Professor, Dept. of ME, VJEC)

Served as Resource Person on the topic "Additive Manufacturing: Possibilities of user involved product development" on 12, July 2021 in the KTU Sponsored Online Faculty Development Programme on "Additive Manufacturing & 3D Printing" conducted during 12 - 14, July 2021 organized by Department of Mechanical Engineering, St. Joseph's College of Engineering & Technology, Palai.

3. **Mr. Sivaprasad P V** (Assistant Professor, ME) Completed Ph.D. from NIT, Tiruchirappalli. The title of thesis is 'A comparative study for micro-drilling in Hastelloy-X by using Laser and Laser combined EDM and ECM.'

4. **Mr. DEEPAK KUMAR E** (Assistant Professor, Department of Mechanical Engineering, VJEC) secured admission for PhD, in IIST Trivandrum.

5. IEEE Robotics and automation society membership is received by **Dr. S Christopher Ezhil Singh (Professor, ME) and Dr. Sridharan P (Associate Professor, ME)**

6. **Dr. S Christopher Ezhil Singh**, Professor, ME, reviewed the following Conference Papers

- a) Studies on copper ferrite nanoparticles,
- b) Detection of fuel adulteration in automobiles,
- c) A Comparative Study of Ant Colony Optimization and Genetic Algorithm for Path Planning of Aerial Food Delivery System,
- d) An Optimized Path-Planning Concept For A Micro-Mouse Robot for autonomous applications in terrained environments,
- e) Comparison of Swarm Optimization Algorithms for Multi-Target Tracking and Detection,
- f) Optimisation of Ultrasonic Transducer using FEM Simulation,
- g) Effect of U-Net Hyperparameter Optimisation in Polyp Segmentation from Colonoscopy Images

STUDENTS ACHIEVEMENTS:

1. Mr. Milan M Nambiar (S3 ME) and Mr. Alok Babu (S5 ME) got selected to KTU softball team.

2. MR. VIJAY KRISHNA A K, S5 ME-A .KTU Men's -84kg gold medal held at University Central stadium, Trivandrum. Selected for Inter University National championship at Kurukshetra, HARYANA.

3. Following list of students received IEEE ROBOTICS AND AUTOMATION SOCIETY Membership

1. MR. ABHIJITH K (S1 ME)

2. MR. GOVIND MANOJ (S1 ME)

3. MR. RICH ABRAHAM THOMAS (S1 ME)

4. MR. SAYOOJ RAJAN (S1 ME)

5. MR. ADARSH MS (S3 ME)
6. MR. ANAND THOMAS (S3 ME)
7. MR. ASHIN SABU (S3 ME)
8. MR. JITHIN DAS C (S3 ME)
9. MR. MUHAMMED RASHID UA (S3 ME)
10. MR. NIRMAL DEV P (S3 ME)
11. MR. NIRMAL THOMAS (S3 ME)
12. MR. RIJIN S NAMBIAR (S3 ME)
13. MR. RINTO K.A (S3 ME)
14. MR. SALVIN JOSY (S3 ME)
15. MR. SATHUIC SIVAN (S3 ME)
16. MR. SHARON SCARIA (S3 ME)
17. MR. SRIKIRAN C M (S3 ME)
18. MR. TINU GEORGE (S3 ME)
19. MR. VAISHNAV P V (S3 ME)
20. MR. VIPIN I V (S3 ME)

4. The following projects by final year Mechanical Engineering students was selected for funding, by Innovative Research Promotion Scheme (IRPS) - 2022

- a). 'Automatic Waste sorting machine for parks' - Mr. Shahin Gafoor, Mr. Nivedh P, Mr. Melvin K Jiji, Mr. Srerag M. Guided by Dr. Srekanth MP
- b) 'Synthesis and characterization of Bamboo leaf ash reinforced aluminium composites'-Mr. Aju Thomas, Mr. Arjun Babu, Mr. Dhayan S Nambiar, Mr. Faisal P. Guided by Dr. Sivaprasd PV

PLACEMENTS:

1. **Tata Consultancy Services (TCS) : MS. ARYA SANTHOSH, MR. SHAHIN GAFOOR, MR. SARANG MANOJ**
2. Mr. Pranav Sreejith, of S8ME, has got a placement offer from **Genpro Research Inc, Trivandrum.**
- 3) Mr. Aju Thomas of 2018-22 ME batch got Placement offer in **AMAZON**
- 4.) Mr. Sourav Rajeev M of 2018-22 ME batch got placement offer in **TROY SOFTWARE**
- 5.) Mr. Shan Mathews of 2018-22 ME batch got placement offer in **POPULAR HYUNDAI**
- 6) **Placement by Colonial Lumbers, Taliparamba,**
 1. Salvin Saji

2. Yakul Sidharth
3. Rosh George
4. Alvin Sebastian
5. Abhishek Anil
6. Sourav Rajeev M
7. Akhil K S
8. Arjun Babu
9. Akshay K
10. Anas Abdhulla A
11. Anurag T K
12. Aswin C Ramesh
13. Shaymlal M
14. Bavaneeth K
15. Muhamed Ameen
16. Mahith E
17. Dhyan S Nambiar
18. Sreerag M
19. Melvin K Jiji
20. Sreeprasad P C
21. P Faisal
22. Sourabh Pramod.C
23. Abhijith T V
24. Sreeranj M
25. Sanjay M
26. Yadunandan Ram T E
27. Sripin Pradeep M K

7. Placements at Bharath Benz Kochi

1. Jilin Janardhanan M. V
2. Muhammed Shahid Abdul Khader
3. Anandu Sujith
4. Anurag T. K
5. Jishnu Manoj
6. Sripin Pradeep
7. Sreeroop S
8. Akshay K.
9. Sreeranj M
10. Sarang Manoj
11. Abhishek Anil
12. Akhil K. S
13. Yakul Sidharth
14. Shan Mathews
15. Nived P.
16. Sreeprasad P. C
17. Faisal P.
18. Abhiram Krishnan
19. Alvin Sebastian

Annual Report

Dept.Of ECE

Academic Year:2021-22

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. 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.

The offline class started after the Covid-19 pandemic in this academic year onwards with all Covid 19 regulations such as maintaining the social distance, wearing mask, sanitizing the hands and class rooms, producing vaccination certificates etc.

The total student's strength in this academic year

Students Batch	No of Students Admitted
Final Year (2018-22 Batch)	39
Third Year(2019-23 Batch)	61
Second Year(2020-24 Batch)	52
First Year (2021-25 Batch)	51
Total No of Students	202

1.Details of Faculty members

Sl No	Name	Designation	Qualification
1.	Dr. ROSHINI T V	Professor & Dean Academics	Ph.D
2.	Dr. ANTO SAHAYA DHAS	Professor & HOD	Ph.D
3.	Dr. REEMA MATHEW	Associate Professor	Ph.D
4.	Dr. JAYESH GEORGE	Associate Professor	Ph.D
5.	JERRIN YOMAS	Associate professor	M.Tech
6.	VINOD J. THOMAS	Associate professor	M.Tech
7.	BINDU SEBASTIAN	Associate professor	M.Tech
8.	MANOJ K.C	Associate professor	M.Tech
9.	ADARSH K.S	Assistant professor	M.Tech
10.	SHIMNA P.K	Assistant professor	M.Tech
11.	LEKSHMY S	Assistant professor	M.Tech
12.	BINIL KUMAR	Assistant professor	M.Tech
13.	GRACE JOHN	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

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 JOSH Y	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 is listed below.

Sl. No.	Batch	Semester	No. of Students appeared for exam	No. of students passed	% of Pass
1	2018-22	S8	39	31	79.49
2	2018-22	S7	39	14	36
3	2019-23	S6	61	30	49.18
4	2019-23	S5	61	24	39.34
5	2020-24	S4	52	15	28.85
6	2020-24	S3	52	17	32.69
7	2021-25	S2	51	28	55
8	2021-25	S1	51	31	60.78

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 Professional Body Activities

The college is enrolled as Life Organizational Member of IETE on 12/09/2013 with membership number G00478. The following activities are conducted in association with IETE Vimal Jyothi Chapter

<i>Sl. No.</i>	<i>Topic</i>	<i>Speaker</i>	<i>Date</i>	<i>Class</i>	<i>Students attended</i>
1	Talk on 'Career Opportunities'	Mr. Fabin Alex (System Engineer, Infosys)	29-5-21	III year	61
2	Talk on Fundamental Freedom'	Adv. Mohan Raj T.P , Advocate High Court of Kerala & Guest faculty at School of Legal Studies, CUSAT.	19-05-21	II Year	51
3	Workshop on "Introduction to Robotics"	Mr Sunil Paul, Asst professor, Christ College of Engineering	29-05-2021	I Year	51
4	Conducted a Faculty Development Program on PYTHON FOR ENGINEERS" Sponsored by IETE Vimal Jyothi Chapter		26th to 30th April 2021		

3.2.2 Alumni interaction

<i>Sl. No.</i>	<i>Activity</i>	<i>Speaker</i>	<i>Date</i>	<i>Class</i>	<i>Students attended</i>
1	Alumni interaction for S4 ECE students	Ms. Nimmi S Menon (2011 Pass out) Vice President Digital Platform & Applications Marsh Digital Marsh Mclennan Group of Companies Phoenix, USA.	04-06-2021	II Year	52
2	Alumni interaction for S2 ECE students	Mr.Sachin Thomas(2011 Pass out) Lead Engineer, Cisco India Pvt.Ltd.	11-06-2021	I Year	51
3	Alumni Interaction on 'How to become an entrepreneur	Mr. Alex M Sunny and Mr.Vishnu Sankar (Astrek Innovations Kochi), 2018 Pass-out Alumni.	20-01-2021	IV year	39

3.2.3 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>
1	GOA DAIRY & ZEPHYR BIOMEDICALS	30th March 2022 to 3th APRIL 2022	<i>Final Year</i>

3.3 Achievements by the students

1. Second year students (2019-23 Batch) had successfully developed a prototype OXYGEN CONCENTRATOR

3.4 Achievements by the faculty members

3.4.1 Short Term Program (STTP)/FDP attended by Faculty

Sl No	Details of the STTP	Name of the Faculty	Period
1	AICTE Sponsored Online STTP On "Machine Learning On Recent Trends & Application Phase-I" organized by Electronics and communication department, Srinivasa Ramanujan Institute of Technology, Andra Pradesh	Dr. Reema Mathew	10th to 15th May 2021
2	KTU Sponsored Online FDP On "IOT Based Autonomous Robot" organized by Electronics and Instrumentation department, Vimal Jyothi Engineering college.	Dr. Reema Mathew	28 th to 30th April 2021
3	2 weeks Instructor led live online Faculty development program on Artificial Intelligence & Machine Learning Using Python	Dr. Roshini T V, Ms. Lekshmy S, Ms. Shimna P K, and Ms. Sudarshana Vijayan	28th June to 9th July 2021.
4	FDP On Deep Learning for image and video applications sponsored by KTU organized by the ECE Dept. of LBS College of engineering Kasargod.	Ms.Jerrin Yomas, Ms. Bindu Sebastian, Mr. Jithin James and Ms. Sudarshana Vijayan	15-6-21 to 17-6-21
5	AICTE Training and Learning (ATAL) Academy Online FDP on "Deep Learning for visual Computing "at Sri. Krishna College of Engineering and Technology.	Dr. Reema Mathew	2021-7-12 to 2021-7-16
6	Online Faculty Development Program on "Multidisciplinary Applications of MATLAB" held under the auspices of Department of Electronics and Communication Engineering,	Ms. Grace John M	22nd July 2021 to 24th July 2021

	Universal Engineering College, Vallivattom, Thrissur		
7	AICTE Training and Learning (ATAL) Academy Online FDP on 'Virtual and Augmented Reality for Robotics' at Vimal Jyothi Engineering College.	Ms.Bindu Sebastian and Ms. Sudarshana Vijayan	7-12-2021 to 16-7-2021
8	1 weeks Instructor led live online Faculty development program on Deep learning using Medical Data.	Ms. Grace John M and Ms. Ann Mathew	12th June to 16th July 2021.
9	KTU sponsored online FDP on Recent Trends in Electric vehicles and System design Organized by department of EEE Sahradaya College of Engineering	Dr. Anto Sahaya Dhas and Mr. Jithin James	7-6-21 to 9-6-21.
10	KTU sponsored 5 day FDP on AI and data science: A pedagogical approach, organised by the department of ECE, St. Joseph's college of engineering and technology Palai.	Mr Vinod J Thomas and Miss Bindu Sebastian	9th -13th August 2021
11	5day ATAL FDP on Intelligent Computing in Healthcare, Organised by NIT Raipur	Dr Reema Mathew	
12	5 day online FDP on the theme "Inculcating Universal Human Values in technical education" organised by AICTE.	Mr Vinod J Thomas and Ms. Jerrin Yomas	
13	Participated AICTE sponsored second international conference on Advances in computing, Communication, Embedded and secure systems, organised by the department of ECE. Adi Shankara Institute of Engineering and Technology	Miss Bindu Sebastian	
14	5 day ATAL FDP on MEAN Stack Technologies organized by Sree Vidyanikethan Engineering College, Tirupati	Mr Jithin James	
15	5 day ATAL FDP on Recent Advancements in Automatic Speech Recognition and Speaker Verification	Mr Jithin James	

	organized by National Institute of Technology, Sikkim		
16	One Week Online Faculty Development Programme on "Artificial Intelligence for IoT Services in Cloud: Techniques & Applications" organized by the Department of Information Technology	Ms. BINDU SEBASTIAN	28th Feb - 4th March, 2022.
17	Five day National level Online Faculty Development Program on "APPLICATIONS OF SIGNAL PROCESSING AND COMPUTER VISION USING MATLAB AND SIMULINK" Organized by G.Pulla Reddy Engineering College (Autonomous): Kumool	Ms. Anusha Chacko	07-03-2022 to 11-03-2022.
18	One Week Online Faculty Development Programme on "Advances in Natural Language Processing using AI" organized by the Department of Computer Science and Engineering in association with the Computer Society of India (CSI)	Dr. Jayesh George, Ms. Anusha Chacko & Dr. Reema Mathew	14 March 2022 to 18 March 2022.

3.4.2 Training Programs /Seminars/workshops attended by Faculty

<i>Sl No</i>	<i>Details of the Training program</i>	<i>Name of the Faculty</i>	<i>Date</i>
1	Participated in the IEEE sponsored three days National level workshop on Research methodology organized by Annai Vailankanni College of Engineering, Kanyakumari	Mr. Vinod J Thomas	2nd to 4th June 2021
2	Workshop On "Intellectual Property Right & IP Management for startup" organized by MESCOE-IIC, an initiative of MHRD's Innovation Cell.	Ms. Bindu Sebastian	24th & 25th May 2021
3	IEEE Sponsored Three Days National Level Workshop on RESEARCH METHODOLOGY conducted by Annai	<i>Dr. Anto Sahaya Dhas</i>	2nd June to 4th June, 2021

	Vailankanni College of Engineering		
4	National level webinar on "AWARENESS OF COVID & IMPORTANCE OF VACCINATION" organized by Annai Vailankanni College of Engineering in association with Indian Medical Association	Dr. Anto Sahaya Dhas	12th June 2021
5	Three Days National Webinar Series on " Modern Trends in Environment" conducted by Annai Vailankanni College of Engineering.	Dr. Anto Sahaya Dhas	16th June to 18 th June, 2021.
6	one week Instructor Led Live online training on Python Programming by Finland Labs	Dr. Roshini T V	25 to 29 October 2021
7	<i>Webinar on "Role of Image Processing and IOT for Green Revolution" organized by Signal Processing Group Of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi</i>	<i>Dr Reema Mathew, Mr Manoj K C and Mrs Bindu Sebastian</i>	<i>7th January 2022.</i>
8	Webinar on "AI & ML in Research Perspective" Organized by the Department of Information Technology, Dr. M.G.R. Educational and Research Institute, Chennai	Ms. Grace John M	14.03.2022

3.4.3 Papers Published by Faculty

Sl No	Tile of the paper	Name of the Faculty	Journal/Conference title
1	Malignancy detection on mammograms by integrating modified convolutional neural network classifier and texture features.	Dr. Jayesh George, Dr. Anto Sahaya Dhas, Binil Kumar and Adarsh K S	International Journal of Imaging Systems and Technology, Impact factor: 2.0 and ISSN: 1098-1098
2	Weapon detection using ML For PPA	Dr. Jayesh George, Dr. Anto Sahaya Dhas and Mr.	International conference on Intelligent Computing Information and Control

		Nabeel Hashim	System ICCICS 201, 202-03 July 2021
3	Recent trends in epileptic seizure detection using EEG signal: A review. Conference paper,	Mr.Vinod J Thomas, Dr. Anto Sahaya Dhas	Publisher – Springer, date of publishing 15-06-2021. It is a part of advances in intelligent systems and computing book series, volume 1318, pages 509-525. DOI
4	Text Detection and Script Identification from Images using CNN.	Ms. Lekshmy S, Dr.Jayesh George M and Ms.Ranjith C R,	International Journal of current engineering and scientific research
5	Review On Brain Tumor Malignancy Prediction By 3d Reconstruction	Mr Manoj K C and Dr. Anto Sahaya Dhas	IEEE Explore on 20- 10-21
6	Published an article "Deep learning-based robust medical image watermarking exploiting DCT and Harris hawks optimization	Ms. Anusha Chacko	International Journal of Intelligent Systems, WILEY 2021.
7	Brain Tumor Detection that uses CNN in MRI'	Neeraja Molachan, Manoj K C and Dr. D Anto Sahaya Dhas	IEEE Explore on 4-10-21
8	CSMI-AW: Computational System for Medical Image Authentication using Watermarking	Ms. Anusha Chacko	International conference, 5 th Computational Methods in Systems and Software 2021, October 13, 2021 - October 15, 2021 (CoMeSySo 2021)
9	Breast cancer detection in mammogram: combining modified CNN and texture feature based approach.	Dr Jayesh George, Dr Anto Sahaya Dhas, Mr Adarsh K S and Mr Binil Kumar Kandathil	Journal of Ambient Intelligence and Humanized Computing (SCIE indexed)
10	Weapon Detection Using ML for PPA.	Mr. Hashim, Dr. Anto Sahaya Dhas & Dr. Jayesh	Pandian, A.P., Palanisamy, International Conference on Intelligent Computing,

	George	Information and Control Systems. Advances in Intelligent Systems and Computing, vol 1415. Springer, Singapore.
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3.4.4 Invited lectures delivered by the Faculty

<i>Sl.No</i>	<i>Title</i>	<i>Name of the faculty</i>
1	Speaker in Aquinas College, Edacochin on the topic "Mobile Technology Transformation: 1G to 5G"	Dr.Anto Sahaya Dhas
2	As a resource person to Kannur Dental College to conduct an eye opening session about "NAAC Accreditation" on 16.09.2021.	Dr. Anto Sahaya Dhas
3	Resource person in the one day workshop on OBE and CO attainment calculation on March 15 ,2022	Ms. Lekshmy S

3.4.5 Qualification acquired by the Faculty

Research Guideship Approved by KTU Dr Jayesh George and Dr Reema Mathew

3.5 FDP Conducted/Other Activities/ Classes conducted

Activity	Title
Faculty Development Program	PYTHON FOR ENGINEERS” Sponsored by IETE Vimal Jyothi Chapter from 26th to 30th April 2021
Webinar	Department of Telecommunications, Government of India, (Kerala Licensed Service Area) conducted a webinar for Students on ‘5th Generation Mobile Communications’ on 12th October 2021 at 02:00 pm.
Webinar	Civil Services Examination Orientation Programme by Ms.Remya Roshini IPS(Ex) and Sasikanth Senthil IAS (Ex) Civils Cafe, IAS Study Circle Trivandrum. 18-11-2021
Webinar	Positive Attitude by Fr. Sabu Thomas. on 11-10-2021

Webinar	Opportunities after engineering through GATE exam, webinar conducted via Google Meet on 12 th February 2022 from 11Am to 12PM.
Workshop	OBE and CO attainment calculation, workshop organised by Internal Quality Assurance Cell of Electronics & Communication Engineering Department on 15th March 2022 from 10AM to 4PM.

ANNUAL REPORT

2021-22

**ELECTRICAL AND ELECTRONICS
ENGINEERING DEPARTMENT**

The EEE department takes pride in bringing out this comprehensive report of the plethora of activities conducted in the year 2021-22. We have made great strides in every aspect that the department needs to focus on to get back to offline mode after the pandemic. The department has got an admission of 32 students in the 2021-22 academic year.

Department activities

1. IEEE SB VJEC organised a blog writing contest-Words of Wonder as part of IEEE DAY 2021.
2. IEEE IAS SBC VJEC conducted a quiz contest on IOT on 3 AUGUST 2021.
3. The PTA Meeting of S2 EEE & S4 EEE was conducted on 09th September 2021 through Google Meet.
4. Webinar conducted as part of IEEE Day 2021 awareness campaign on the topic 'Networking with IEEE' on 12th September 2021.
5. IEEE SB VJEC conducted a one day workshop on Raspberry Pi on 26th September 2021.
6. IEEE PES SBC VJEC conducted a quiz competition as part of SPACE WEEK CELEBRATION on 08 OCTOBER 2021.
7. IEEE WIE AG VJEC organised a talk session with RJ Renu, an entrepreneur on 11th October 2021.
8. IEEE PES SBC VJEC Conducted a session on “Opportunities in Space Science and Technology ” on 20th October 2021 at 7:00 pm. The resource person was Mr. Immanuel Raja , Assistant Professor, Department of Avionics , IIST
9. IEEE SB VJEC organised “IEEEExtreme programming competition” on 23rd October 2021.
10. IEEE PES SBC VJEC is collaborating with IEEE PES SBC of Texas Tech university , USA for the first session of GALA.
11. The welcome function for first year students was organised on 22nd November 2021 at 09:00 am.
12. First year Boot Camp was organised from 22-26 November 2021.
13. IEEE IAS VJEC SB conducted a session on “Membership Development and Project Awareness ” for first year students on 25th November.
14. IEEE PELS VJEC in collaboration with IIC, VJEC Conducted a webinar on “World Energy Scenario and Need of Energy Conservation” on Dec 14th 2021, as part of energy conservation day.
15. Department of EEE, VJEC hosted the All Kerala IEEE PES Student Congress 2021 in December 2021.
16. College election 2022 conducted on 12th January 2022 in respective classes with tutors as polling officers.
17. EXECOM 2022-Selection of Volunteers, IEEE Student branch VJEC, IEEE WIE AFFINITY GROUP, IEEE IAS SBC VJEC in January.

18. IEEE PELS VJEC SBC, IEEE PES VJEC SBC- annual election was conducted in January 2022.
19. PTA meetings of S1 EEE, S3 EEE and S5 EEE were conducted in January.
20. PITCH YOUR SPARK-Idea Pitching Competition-2022 was organised by IEEE SB VJEC in association with IEEE PES,PELS,WiE, IAS on 26-02-2022
21. National Science Day 2022-Quiz competition was organised by IEEE SB VJEC on 28-02-2022.
22. Women empowerment and Women in Technology- Doodle Art Competition organised by IEEE WiE AG of VJEC 4th March 2022.
23. IEEE Annual General meeting of IEEE SB VJEC on 5th March 2022.
24. Cross Minds-Crossword Puzzle on Science & Technology was organised by IEEE WiE AG of VJEC for pre-graduate students on 7th March 2022.
25. Online session on women empowerment was conducted on 8th March 2022. The session was handled by Ms. Anu Kumari IAS(Sub-collector Thalassery)
26. Name the Dame- Topic- Women Empowering Women, competition was organised by IEEE IAS SBC VJEC in March as part of Women's day celebration.
27. Final year students of S8 EEE underwent industrial visits to industries near Goa from 30th March to 3rd April.
28. EEE Department conducted a 5 days online FDP on "POWER ELECTRONIC CONTROL IN RENEWABLE ENERGY APPLICATION" from 25th April 2022—29th April 2022.
29. TRIVIAL-Quiz competition on behalf of World Intellectual Property Day organised by IEEE PELS VJEC on 26 April 2022.
30. An Online Alumni Interaction was conducted for S6 EEE on 18 th May 2022 by Mr. Kiran S Nambiar to acknowledge the latest software used in electrical and electronics field from 1.00 to 2.00 pm at Software Lab
31. A training session on basics of coding was conducted for S6 EEE on 18 th May 2022 by Mr. Sharan Ratnakumar, Mr. Junaid Ahamed Siraj and Mr. Rahul Raj V V of S8 EEE in the Software Lab.
32. S2 EEE students were taken on a charity pilgrimage to impart social commitment in our students on 20th May 2022.
33. PTA meeting for S2 EEE was conducted on 25th May 2022.
34. Talk session on Introduction to Air Traffic Control & Job Opportunities by Mr. Sreelesh Sreedharan, Assistant General Manager (Air Traffic Control), Airports Authority of India was organised on 26th May 2022.
35. PTA meeting for S6 EEE was conducted on 27th May 2022.
36. CARTE BLANCHE-Paper presentation contest was organised by IEEE SB VJEC on 27th May 2022.
37. PTA meeting for S4 EEE was conducted on 30th May 2022.

38. ALORA- Article writing competition on the topic- About her dreams and career, was organised on 3rd June 2022 by IEEE WiE AGs of College of Engineering Perumone, FISAT and Vimal Jyothi Engineering College.
39. Libertas-Poster making competition on the topic- Abuse against women , was organised on 3rd June 2022 by IEEE WiE AGs of College of Engineering Perumone, FISAT and Vimal Jyothi Engineering College.
40. Farewell function was conducted for S8 EEE, 2018-22 batch students on 3rd June 2022.
41. S6 EEE conducted an Industrial Visit to Clean Carbon—Kinfra and Fresh Foods Goa during 9th to 11th of June 2022 . 29 students, 2 faculty and a parent representative participated.
42. S2 EEE conducted an Industrial Visit to 110 KV Substation Kunnoth and BARAPOLE Small Hydroelectric Power Plant on 10th June 2022.
43. The meeting of Mr. Aneesh Thomas, Trade Instructor of EEE department was conducted on 30th June 2022.
44. Webinar on Autonomous Vehicles and Intelligent Transportation by Prof. Jumin Wang, SAE fellow, ASME fellow, LEE NORRIS & LINDA STEEN NORRIS endowed Professor, Walker Department of Mechanical Engineering, University of Texas at Austin was organised on 1st July 2022.
45. Gap filling activity for power electronics, control system and power system analysis- Analysis and control of type IV wind energy conversion system, Phd Defence by Dr. Teena George on 4th July 2022.
46. Pitch your spark- Arduino workshop for Higher secondary school students was organised on 28th July 2022.
47. Webinar on Full-stack web development by Mr. Gokul G. Nair, Full- Stack Developer, Ex Professional, Tech- Trainer at ICT on 31st July 2022.
48. Digital Lab Project Exhibition for S4 EEE students on 2nd August 2022.
49. Inkit -Essay writing competition was organised in August 2022 by IEEE PES VJEC.
50. Webinar on Anti Narcotics and Career Opportunities for Women in Excise by Ms. Subina K V, Women Civil Excise Officer was organised on 7th August 2022 by IEEE WIE AG VJEC.

Faculty Achievements/ publications

1. Ms. Shelma George has attended a Two Week Online Short Term Training Program on "Emerging Technologies in Electric Vehicles" organised by Department of Electrical and Electronics Engineering, Bapatla Engineering College, Bapatla from 2/08/2021 to 14/08/2021.
2. Ms. Shelma George has attended 'smart cities' AICTE Training And Learning (ATAL) with NATIONAL POWER TRAINING INSTITUTE - POWER SYSTEMS TRAINING INSTITUTE from 2-08-2021 to 06-08-2021.
3. Ms. Shelma George has been elevated to senior member grade of the IEEE.

4. Ms. Teena George has been elevated to senior member grade of the IEEE.
5. Mr Prabin James AP, EEE has been selected as a reviewer for IEEE Humanitarian Activity Council Project at international level.
6. Mr Prabin James AP, EEE has participated in the IEEE STEM summit from 1-6 November 2021.
7. Ms. Shelma George and Ms. Indulekha K. M. has got admission for PhD in KTU in 2021.
8. Mr. Prabin James has attended a 5 days Indo-US SPARK Online workshop on Smart grid empowering smart cities 2021 organised by National Institute of technology Calicut from 18-10-2021 to 22-10-2021.
9. Mr. Prabin James has attended a 5 day FDP on 'Deep Learning, perspectives, trends and research prospects' organised by G.Pulla Reddy engineering college (Autonomous) Kurnool from 25-10-2021 to 30-10-2021.
10. Ms. Ankita Sebastian, AP EEE participated in a faculty development program on Digital simulation : A mathematical perspective organised by TKM College of Engineering Kollam from 08/11/2021-10/11/2021.
11. Ms. Indulekha K. M. has participated in an FDP 'Familiarization of software tools and AI techniques applied to power systems' organised by Dept. of Electrical and Electronics Engineering GCE Kannur from 06-12-21 to 11-12-2021.
12. Ms. Teena George AP, EEE has been the guest speaker for the webinar on 'Basics of Grid Integration of Wind Power Systems', organised by the Department of Electrical and Electronics Engineering, Power Electronic Research group, Mar Baselios College of Engineering.
13. Ms. Tinu Francis- attended a 5 day online FDP on Robotics control and applications organised by Mar Baselios college, Trivandrum from 4 to 8 April 2022.
14. Ms. Jyothi Joseph attended a 5 day online FDP on Robotics control and applications organised by Mar Baselios college, Trivandrum from 4 to 8 April 2022.
15. Ms. Tintu George T. attended a 5 day online FDP on Robotics control and applications organised by Mar Baselios college, Trivandrum from 4 to 8 April 2022.
16. Ms. Athira M. Thomas attended a 5 day online FDP on Robotics control and applications organised by Mar Baselios college, Trivandrum from 4 to 8 April 2022.
17. Dr. Teena George successfully defended her thesis and hence received her PhD on 4th July 2022.
18. Ms. Indulekha K. M. attended Advance power electronics and control, NPTEL-AICTE Faculty Development Programme July-Sep 2022.
19. Ms. Indulekha K. M. attended DC microgrid and control systems, NPTEL-AICTE Faculty Development Programme July-Sep 2022.
20. Ms. Athira M. Thomas attended a 5 days online FDP on Emerging Trends in Power, Energy and Control organised by Muthoot Institute of Technology & Science from 22 August 2022 to 27 August 2022.

Student's Achievements

1. The team VJ_EEE of Sharan Ratnakumar and Albin Baby of S7 EEE secured second position in a video contest conducted as a part of 2021 IEEE R10 Humanitarian Technology Conference (HTC).
2. Noyal Jose of S4 EEE won prize for best idea in the domain agriculture and lab to land in IEEE TEMS EVENT, "INNOVEX C2P 2021" organised by IEEE student branch of Cummins College Of Engineering for women, Nagpur in association with IEEE Nagpur subsection.
3. Ananda Padmanabhan of 2017-21 batch EEE has been placed in Wipro.
4. Amruth Raj M V, S2 EEE selected as AMBASSADOR of IEEE Educational Society Kerala Section.
5. Junaid Ahmed Siraj and Sharan Ratnakumar of S7 EEE have been placed in TCS.
6. Aarcha Varadraj of S7 EEE has won an article writing competition organised by the IEEE EMB Society.
7. Amal Lukose of S7 EEE, Akshay Shaji of S7 EEE and Vyshnav M. K. of S3 EEE have secured the first, second and third position respectively in the Space Week quiz organised by IEEE PES VJEC.
8. Noyal Jose of S5 EEE awarded for the best idea "Coffee Harvester" at Kerala Rural Innovators Meet 2021.
9. Rahul Das V V of S7 EEE has been placed in Palle Technologies.

VIMAL JYOTHI ENGINEERING COLLEGE, KANNUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ANNUAL REPORT FOR THE YEAR 2021- 2022

I. FACULTY ACHIEVEMENTS

PUBLICATIONS		
Sl. No.	Details	Month & Year
1	Agnes Jinson, Ashlin K. Wilson, Dharsana Narayanan P, Merin John & Dr. Jeethu V. Devasia presented the paper "An Integrated Framework for Taxi Service Automation Using IoT" in the 2nd International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2020).	July 2021
2	S. Vinod and M. V. Thomas, "A Comparative Analysis on Deep Learning Techniques for Skin Cancer Detection and Skin Lesion Segmentation," in International Conference on Communication, Control and Information Sciences (ICCISc), 2021, pp. 1-6, doi: 10.1109/ICCISc52257.2021.9484873.	July 2021
3	Patent application (Title: "Design an IoT driven system using deep learning to detect damages to steel frames" Application Number: 202241042635) by Mr. Akhil K K has been published on 29/07/2022.	July 2022

PROJECT/FDP/STTP/MODROBS FUNDING (APPLIED / SANCTIONED)		
Sl No.	Details	Category
1	Ms Vidhya S S has received an amount of 100000/ from UBA for the project "Village women economic empowerment through low cost IoT Based Hatchery Unit" under UBA-SEG.	UBA
2	<p>The following projects by final year CSE students are selected for funding by Innovative Research Promotion Scheme (IRPS) - 2022 for their innovative project.</p> <ul style="list-style-type: none"> a) Real-Time Vital Analyzation System and Gesture Navigation for Disabled people - Abhijith B.Lal, Anusree Chithrabhanu, Immanuel Monson, Sanitha K P - Guided by Ms. Divya K- INR 5, 000. b) Machine Learning based waste segregation system from mixed waste - C M Nived Raj, Jinto Jose. Thejas Sujith, Vignesh P V - Guided by Ms. Vidhya S S- INR 5, 000. c) Direction of fuel adulteration in automobiles - Aryananda P, Nanrrutha Raj, Unnimaya p, ivleriam philip - Guided by Mr.Abdul Latheef M- INR 2, 500. d) Blind assistance using artificial intelligence - Anamika Prasanth, Nihal Manoj, Rana Fathima, R Gayathri - Guided by Ms. Divya B- INR 2, 500. e) An IoT based smart helmet for miners - Abin Babu, Ashique Prem, Deekshith C, Sonu paul - Guided by Ms. Namitha P - INR 2,500. f) Analyzing system for bowling in cricket - Anagha K, Krishna Priyq Karthik E K, Sreelakshmi P V - Guided by Ms. Derroll David - INR 2, 500. 	IRPS

RESOURCE PERSON			
Sl. No.	Details	Date (From– To)	No. of Days
1.	Dr. Jeethu V. Devasia, Professor contributed as a resource person in the Webinar on Future of Artificial Intelligence and Machine Learning on the topic Introduction to Artificial Intelligence and Data Science.	08.08.2021	1
2	Dr. Manoj V Thomas, Professor contributed as a resource person in the Webinar on Future of Artificial Intelligence and Machine Learning on the topic Career Opportunities in Artificial Intelligence and Data.	08.08.2021	1
3	Ms. Derroll David, Assistant Professor contributed as a resource person in the gap filling activity for CST201 Data Structures titled “Real Time Applications of Data Structures using Neo4j”.	03.03.2022	1
4	Ms. Namitha Parikkal, Assistant Professor contributed as a resource person in the gap filling activity for CST 203 Logic System Design titled “Workshop On Introduction To CEDAR Logic Simulator For Logic System Design”.	04.03.2022	1
5	Ms. Ancy K Sunny, Assistant Professor contributed as a resource person in the gap filling activity for CST307 Microprocessor and Microcontroller titled “Workshop on Real World Application of 8051 Microcontroller”.	04.03.2022	1
6	Mr. Rijin I.K, Assistant Professor contributed as a resource person in the Workshop, Exposure to LaTeX; An important aspect of technical writing.	26.04.2022 & 29.04.2022	2

7	Dr. Manoj V Thomas, Professor has chaired a session(s) in one of the technical panel of the IEEE International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS-2022) technically co-sponsored by IEEE Kerala Section and organized by Department of Computer Science and Engineering, SCMS School of Engineering and Technology, Karukutty, Kerala, India.	23.06.2022- 25.06.2022	3
8	Ms. Derroll David, Assistant Professor contributed as a resource person in the gap filling activity for CST306 Algorithm Analysis and Design titled "Importance of Algorithms in daily life".	16.07.2022	1
9	Ms. Namitha Parikkal, Assistant Professor contributed as a resource person in the gap filling activity for CST 202 Computer Organization and Architecture titled "Workshop on Problem Analysis of Cache Memory".	26.07.2022	1

FACULTY DEVELOPMENT PROGRAM AND WORKSHOPS ATTENDED

Sl. No.	Details	Period	No. of Days/ Hours
1	Ms. Divya K. & Ms. Achala Prasad attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Virtual and Augmented Reality for Robotics" at Vimal Jyothi Engineering college.	12.07.2021- 16.07.2021.	5
2	All teaching and non teaching faculty attended FDP on "Outcome based Education & Accreditation" organized by Vimal Jyothi Engineering college.	20.07.2021	1
3	Ms. Divya B attended AICTE Training And Learning (ATAL) Academy sponsored Online Elementary FDP on "Artificial Intelligence and Machine Learning" organized by National Institute of Technology Raipur.	04.10.2021 - 08.10.2021	5

4	Dr. Jeethu V. Devasia attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Statistical Foundations of Data Science and Machine Learning" organized by Institute of Chemical Technology, Mumbai.	27.10.2021- 31.10.2021	5
5	Mr.Lithin Mathew attended AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Introduction to Quantum Computing" at Tripura University.	07.02.2022- 11.02.2022	5
6	Ms.Derroll David attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "AI and ML for Intelligent Applications Using Python and MATLAB" at ABES Engineering College Ghaziabad.	21.02.2022- 25.02.2022	5
7	Mr.Sibi Joseph attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "AI and ML for Intelligent Applications Using Python and MATLAB"at ABES Engineering College Ghaziabad.	21.02.2022- 25.02.2022	5
8	Dr. Jeethu V. Devasia , Dr. Manoj V. Thomas , Ms. Divya B, Mr. Abdul Latheef, Ms. Neena V V, Ms. Asha Baby, Ms. Anisha Joseph, Ms. Anit M Thomas, Ms. Sreeraji Narayan, Ms. Nayana Suresh, Ms. Namitha Parikkal, Ms.Tintu Devasia, Ms. Divya K, Ms. Derroll David, Ms. Sreedhanya M V, Ms. Ambili M A, Ms. Swathi Chandra M T, Mr. Timmy Philip , Mr. Lithin Mathew, Ms Bindu Sebastine and Ms. Shijimol K T attended CSI Sponsored FDP on advances in natural language processing using AI organized by Vimal Jyothi Engineering college.	14.03.22 - 18.03.22	5
9	Ms. Divya K participated in the TEQIP-II sponsored 5 days Online Faculty Development Programme on 'Recent Trends in Signal and Image Processing' organized by the Department of Electronics and Communication Engineering, Government Engineering College Palakkad, Sreekrishnapuram.	16.05.2022 - 20.05.2022	5

10	Mr. Akhil K K attended the third International Conference on “Materials, Computing & Communication Technologies” (ICMCCT 2022) Organized by Annai Vailankanni College Of Engineering, AVK Nagar, Pottalkulam.	20.06.2022.	1
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WEBINARS ATTENDED		
Sl. No.	Details	Period
1	Ms. Divya K. attended One Day Webinar on “ Role of Image Processing and IOT for Green Revolution ” organized by Signal Processing Group of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology .	07.01.2022
2	Ms. Namitha Parikkal attended CSI Sponsored Webinar on Digital Marketing.	07.03.2022.

II. STUDENT ACHIEVEMENTS

Sl. No.	Details	Period
1	Mr. Akash Ajith (S4 CSE A), Mr. Sangeeth K (S4 CSE A) , Mr. Nihal O (S4 CSE-B) , Mr. Abhinav Purushothaman (S2 CSE A) secured First position in the Techfest Event "Unite For Unity” conducted by IIT–Goa.	July 2021
2	Mr. Ujwel C, student of S2 CSD secured 4th place in District level Under 19 Chess Championship 2021 and also participated in Kerala State Under 19 Chess Championship- 2021 at Westhill Govt.Polytechnic college,Calicut .	December 2021
3	The students of S7 CSE: Mr. Karthik E K, Ms. Anagha K , Ms Sreelakshmi P V, Ms Krishnapriya under the guidance of Ms. Derroll David, Assistant Professor CSE were selected for MANTHAN 2021.	December 2021

4	Ms. Adithya T K (S6 CSE B), Mr Kiran Valsalan Nair (S6 CSE B), Mr Joshua Mathew (S6 CSE A) acted as a resource person for the workshop "Basics of C programming "organized by Department of Computer Science and Engineering in association with Computer Society of India.	December 2021
5	Ms.Mereena Philip (S4 CSE-C) secured First position and Ms Anjima S (S4 CSE-C) secured second position in the event essay competition on "How to eradicate poverty in India" conducted by UNITED NATIONS ACADEMIC IMPACT.	January 2022
6	Ms. Elcita Jose, S4 CSE A has participated in Kannur District Olympic games January 2022 and secured gold medal in the event Woman 56 Kg Wushu and Second place in the event Judo.	January 2022
7	Mr. Immanuel Monson (S8 CSE) has received an amount of 100000/ from UBA for the project "Village women economic empowerment through low cost IoT Based Hatchery Unit" under UBA-SEG under the mentorship of Ms Vidhya S S.	May 2022
8	Mr Ujwel C, student of S2 CSD has participated in 51 th Kerala state Under 19 chess championship 2022.	June 2022
9	Mr.Joshua Mathew,Student of S6CSE-A and Ms.Adithya T K, Student of S6 CSE B contributed as a resource person for the workshop on Basics of C programming Organized by department of CSE in association with CSI student chapter.	July 2022
10	Mr. Joshua Mathew (S6 CSE A) contributed as a resource person for the workshop "Workshop on Inception to RDBMS Applications".	July 2022

INTERNSHIP/Other Activities			
Sl. No.	Details	Date	Company
1	Mr. Ranjul Arumadi of S5 CSE B has completed internship programme on “Full Stack Developer”.	July 2021	Exposys Data Labs
2	Ms.Athulya T of S3 CSE A has attended an internship program on Cyber Security from 07.07.2021 to 19.07.2021 at ZINDOT Technologies.	August 2021	ZINDOT Technologies
3	Mr. Ranjul Arumadi of S5 CSE B has completed LEAP 4.0 Internship at Coss India from 10.05.2021 to 28.08.2021	August 2021	Coss India
4	Mr.Ranjul Arumadi of S5 CSE B has completed Internship at Sunrise Mentors Pvt Ltd (Coding Ninjas), New Delhi from 10th September 2021 to 31st January 2022.He worked as a part of the CodeStudio - Resources Team as a Technical Blog Writer.	10.09.2021 -31.01.2022	Sunrise Mentors Pvt Ltd
5	Mr.Abhay MP, Mr.Abin Mathew, Mr.Abhinav Sreejith , Mr. Afsal T P, Mr.Anirudh Gireesh N P, Mr.Andru Abraham, Mr. Sharon Shaji, Mr. Sonive J B, Mr. Jithin Jayaprakashan, Mr.Deon Aji Mathew of S2 CSD has completed 10 days internship training in CYBERSECURITY from 02.01.2022 to 15.01.2022 at ZINDOT Technologies ,Kochi.	January 2022	ZINDOT Technologies
6	Ms.Prarthana Pradeep of S2 CSD, Mr.Justin James Thomas of S2 CSE B, Mr.Abhay K V of S2 CSE C has attended online internship program on Cyber Security from 17.01.2022 to 21.01.2022 organized by Software Training & Development Centre, C-DAC, Thiruvananthapuram.	January 2022	C-DAC
7	Mr. Nihal V George successfully completed NPTEL-12 week online course ‘The Joy of Computing using Python’ during January 2022 to April 2022.	April 2022	NPTEL
8	Ms. Pournami V of S6 CSE A has completed 1 week internship training in Cyber Forensics organized by NSS unit of University college of Engineering with C DAC from 25th April 2022.	April 2022	C DAC

9	Ms. Nandana Krishnan of S4 CSE C has completed 1 week internship training in Cyber Forensics organized by NSS unit of University college of Engineering with C DAC from 25th April 2022.	April 2022	C DAC
10	Four students from S4 CSE: Ms Maria Manoj (CSE A), Ms Vismaya Ms Mariya Thomson(CSE A), Ms Ann Maria George(CSE C), Ms Ancil Tresa Sunil(CSE C) as part of MoU signed with VJEC, have successfully completed Internship Training In Cyber Forensics - Disk Forensics at Mibiz Cyber Forensics Laboratory, Technopark Campus, Thiruvananthapuram.	June 2022	Mibiz Cyber Forensics Laboratory, Technopark Campus, Thiruvananthapuram.

III. EVENTS ORGANIZED

Sl. No.	Details	Date (From - To)	No. of Days	Faculty Coordinator	Category
1	Organized an FDP on Outcome Based Education & Accreditation.	20.07.2021	1	Ms. Neena V V Ms. Divya B	
2	Webinar on Future of Artificial Intelligence and Machine Learning.	08.08.2021	1	Dr. Manoj V. Thomas Mr. Ansil Nazar	
3	Industry Institute Interaction Seminar Series: An informative talk on "How What When Why Where to Start With?" by Deepak Yadav, SDE @Amazon. This event is jointly organized by The Department of CSE and Techsahead.	28.08.2021	1	Ms. Neena V V	

4	The Programming Club of the Department of Computer Science and Engineering in collaboration with Techsahed organized a technical talk on the topic "Introduction to Competitive Programming".	31.08.2021	1	Ms. Keerthijith P	Programming Club
5	The Software Development Cell (SDC), CSE organized an online Webinar on "Webinar on React Native" for VJEC students .	04.09.2021	1	Ms. Vidhya S S	Software Development Cell
6	Industry Institute Interaction Seminar Series: Organized a webinar on "Employability in IT Industry" for Final Year CSE Students.	13.09.2021	1	Ms. Neena V V	
7	ACM Student Chapter & CSI event – "One day workshop on Cyber Safety in association with SISTMR Australia".	18.09.2021	1	Ms. Divya B. Ms. Akhila Mathew Ms. Neena V V	ACM
8	The Programming Club of the Department of Computer Science and Engineering organized an Alumni Interaction talk for S7CSE Students.	03.10.2021	1	Ms. Neena V V, Ms. Keerthijith P Ms. Nayana Suresh	Programming Club
9	Alumni interaction programme, "Right decisions lead to right career" for S3 CSE A, S3 CSE B, S3 CSE C & S3 ADS.	20.11.2021	1	Ms. Divya B Ms. Ambili M A	

10	ACM Student Chapter Webinar,” Road map to SRE/DevOps” for All VJEC students & faculty.	27.11.2021	1	Ms. Divya B Ms. Neena V V	ACM
11	Alumni interaction program, Introduction to UiPath in association with CSI student chapter.	04.12.2021	1	Ms. Akhila Mathew	CSI
12	Workshop on Basics of C programming in association with CSI student chapter.	15.12.2021 and 16.12.2021	2	Ms Akhila Mathew	CSI
13	Gap filling activity for the subject Programming Paradigm Workshop on “Introduction & Object Orientation in PHP” for S7 CSE students	18.12.2021	1	Ms Anisha Joseph	
14	Programming club organized TECHNIQ - a quiz program for first and third semester CSE students.	22.01.2022	1	Ms. Keerthijith P Ms. Ambili M. A	Programming Club
15	ACM Student Chapter Online Quiz Contest, Cognite 2.0 for S1 & S3 Students.	29.01.2022	1	Ms. Divya B Ms. Neena V V	ACM
16	Gap Filling activity for CST205 Object Oriented Programming using JAVA titled “Java-Spring Boot & What lies beyond”.	25.02.2022	1	Ms Neena V V, Ms Divya B, Ms Nayana Suresh, Ms Tintu Devasia	

17	Gap filling activity for CST201 Data Structures “Real Time Applications of Data Structures using Neo4j” for S3 CSE and ADS students.	03.03.2022	1	Ms. Vidhya S S	
18	Gap filling activity for CST301 titled “FLAAT - A Hands-on Approach to Formal Language and Automata with JFLAP”.	03.03.2022	1	Ms.NeenaVV, Ms Nayana Suresh	
19	Gap filling activity for CST 203 Logic System Design titled “Workshop On Introduction To CEDAR Logic Simulator For Logic System Design”.	04.03.2022	1	Mr Abdul Latheef Ms Divya K Ms Namitha P	
20	Webinar on Industrial Automation using Embedded system for third and final year CSE students.	05.03.2022	1	Mr. Abdul Latheef Ms.Sreeraji Narayanan	
21	CSI Sponsored Webinar on Introduction to Digital Marketing for Computer Science Students.	07.03.2022	1	Ms. Namitha Parikkal	CSI
22	ACM-W Student Chapter’s Poster Designing Competition on “Women Empowerment” for ACM Student Chapter Members.	08.03.2022	1	Ms. Neena V V Ms. Divya B	ACM
23	CSI-sponsored One Week Online Faculty Development Program on Advances In Natural Language Processing Using AI.	14.03.2022 - 18.03.2022	5	Ms. Namitha Parikkal Ms. Sreedhanya M.V.	CSI
24	Workshop on ‘Exposure to LaTeX; An important aspect of technical writing’.	26.04.2022 & 29.04.2022	2	Ms. Asha Baby	

25	Workshop on Real time implementation of classification & clustering algorithms using WEKA.	16.05.2022	1	Ms. Asha Baby	
26	Gap filling activity for the subject CST 204 Database Management System Workshop on Inception to RDBMS Applications.	06.07.2022	1	Mr. Akhil KK Ms. Ambili M A Ms. Anit Thomas M Ms. Tintu Devasia	
27	Gap filling activity for CST306 Algorithm Analysis and Design titled “Importance of Algorithms in daily life”.	16.07.2022	1	Ms. Sreeraji Narayanan Ms. Thiripthi Balakrishnan	
28	CSI Sponsored Workshop on Basics of C programming.	19.07.2022 - 21.07.2022	3	Ms. Namitha Parikkal	CSI
29	In Association With Programming club, CSE organized CODING HUNT competition.	22.07.2022	1	Ms. Ambili M A Ms. Sreeraji Narayanan	Programming Club
30	Gap filling activity for CST 202 Computer Organization and Architecture titled “Workshop on Problem Analysis of Cache Memory”	26.07.2022	1	Mr. Abdul Latheef Mr. Akhil K K Ms. Divya K	

IV. CAMPUS PLACEMENT

In 2018-2022 batch 46 students got placed in various reputed companies like TCS, INFOSYS , IBM, BYJUS, ZOHO, TATA ELXSI, WIPRO, ASPIRE, GUIDEHOUSE, CAPGEMINI, HITACHI etc.

Sl.No	Details	Batch	Company
1	Anamika Prasanth, Sanitha K P, Uthara Narayanan C K ,Maria T V, Rimal Raj PV, Thejas Sujith , Joseph M J, Krishnapriya Premakumar,Don Martin, Aloysius Joy, Vishnu Thirumangalath,Ankitha K, Abhijith Gopinath	2018-2022	TCS
2	R. Gayathri	2018-2022	ALGOMOX
3	Joyal Wilson	2018-2022	TECHNOLOGICS
4	Joseph M J, Nihal Manoj, Prinse Judit Das, R Gayathri, Anamika Prasanth	2018-2022	WIPRO
5	C M Nived Raj, Joseph M J	2018-2022	REVATURE
6	Krishnapriya Premakumar, Ankitha K	2018-2022	IBM
7	R Gayathri, Justin Kurian, Ankitha K, C M Nived Raj, Sonu paul, Amritha P A, Ramdev C M, Krishnapriya Premakumar, Theertha P, Sreelakshmi P V, Anagha K, Namrutha Raj, Don Martin, Krishna Priya , Unnimaya P	2018-2022	HITACHI SOLUTIONS

8	Ankitha K	2018-2022	TATA ELXSI
9	Justin Kurian, Muhammed Musthafa TP , Sreelakshmi A K, Anusree Chithrabhanu, Unnimaya P	2018-2022	PENTAGON SPACE
10	Amritha P A, Sreelakshmi A K	2018-2022	PALLE TECHNOLOGIES
11	Vibin James, Meriam Philip	2018-2022	QSPIDERS
12	Rose Alphons Benny	2018-2022	VIRTUSA
13	Sreelakshmi A K	2018-2022	UST GLOBAL
14	Krishnapriya Premakumar	2018-2022	WINWIRE TECHNOLOGIES
15	Amritha P A, H Pooja, Ajay Joy	2018-2022	GUIDEHOUSE
16	Abin Babu , Meriam Philip	2018-2022	BYJUS LEARNING APP
17	Joseph M J, R Gayathri, Sanitha K P	2018-2022	QUEST GLOBAL
18	Maria T V, R Gayathri	2018-2022	MINDTREE
19	Joyal Wilson	2018-2022	HEXAWARE
20	C M Nived Raj, Amritha P A, Joseph M J, Aryananda P	2018-2022	CAPEGEMINI

21	C M Nived Raj, Jinto Jose, Ajay Joy, Prinse Judit Das, Sanitha K P,	2018-2022	ASPIRE SYSTEMS
22	Muhammed Musthafa TP, Anamika Prasanth, Anusree Chithrabhanu, Meriam Philip, Vignesh PV, Joyal Wilson, H Pooja	2018-2022	CRANES SOFTWARES
23	Deekshith C	2018-2022	ROBOSOFT
24	Vibin James	2018-2022	KANTAR
25	Joseph M J	2018-2022	KEYVALUE SOFTWARE SYSTEMS
26	Maria T V, Theertha , Sanitha K P, Anusree Chithrabhanu, Aswin Unni Sunil, Jinto Jose	2018-2022	INFOSYS
27	Sreelakshmi A K, Rose Alphons Benny, Sonu paul, Anusurya Chacko	2018-2022	QUALITEST
28	Joyal Wilson	2018-2022	HCL
29	Abhijith B. Lal, Namrutha Raj, Unnimaya P, Shamjith Saji	2018-2022	SYSTOOLS
30	Prinse Judit Das, Anamika Prasanth	2018-2022	ZOHO

31	Sanitha K P	2018-2022	6D TECHNOLOGIES
32	Vibin James	2018-2022	TECHOSA EDU SOLUTIONS Pvt. Ltd
33	Vibin James, Muhammed Musthafa TP, Akhil Jolly	2018-2022	FACE PREP

V. AUDITS/MEETING

Sl. No.	Details	Date (From – To)	Faculty Responsible
1	Course Team Meeting of S7 CSE (2018-2022 Batch).	12.08.2021	Ms Neena V V, Ms Keerthijith P Ms Nayana Suresh
2	Course Team Meeting of S3 CSE A, B, C and ADS(2020-2024 Batch).	01.11.2021	Dr. Manoj V Thomas Ms. Akhila Mathew Ms.Divya B Ms. Ambili M A Mr. Abdul Latheef Ms. Angel Varghese
3	First Advisory Meeting of S3 CSE C (2020-2024 Batch).	02.11.2021	Mr Abdul Latheef Ms Angel Varghese
4	First Advisory Meeting of S3 CSE ADS (2020-2024 Batch).	03.11.2021	Dr. Manoj V Thomas Ms. Derroll David
5	First Advisory Meeting of S3 CSE A (2020-2024 Batch).	03.11.2021	Ms.Divya B Ms. Ambili M A
6	First Advisory Meeting of S3 CSE B (2020-2024 Batch).	04.11.2021	Ms. Akhila Mathew

7	Course Team Meeting of S3 MTech (2019-2021 Batch).	10.11.2021	Ms. Anisha Joseph
8	Course Team Meeting of S5 CSE A and B (2019-2023 Batch).	11.11.2021	Ms. Vidhya S. S Ms. Asha Baby Ms. Anusha Chacko
9	Course Team Meeting of S1 CSE A, B, C, ADS and CSD (2021-2025 Batch).	16.11.2021	Ms. Ancy K Sunny Ms. Anit Thomas Ms. Febin I P Ms. Tintu Devasia Ms. Nayana Suresh Ms Namitha P Ms. Swathi Chandra Ms. Achala Prasad Ms. Divya K Ms Bindu Sebastian,
10	First Advisory Meeting of S5 CSE B (2019-2023 Batch).	03.12.2021	Ms. Vidhya S. S Ms. Asha Baby
11	First Advisory Meeting of S5 CSE A (2019-2023 Batch).	04.12.2021	Sr. Jisha C T Ms. Anusha Chacko, ECE
12	First Advisory Meeting of M Tech S3 CSE (2021-2025 Batch).	07.12.2021	Ms. Anisha Joseph
13	First Advisory Meeting of S1 CSE B (2021-2025 Batch).	07.12.2021	Ms. Febin I P Ms. Tintu Devasia
14	First Advisory Meeting of S1 CSE C (2021-2025 Batch).	07.12.2021	Ms. Nayana Suresh Ms Namitha P

15	First Advisory Meeting of S1 CSE A (2021-2025 Batch).	08.12.2021	Ms. Ancy K Sunny Ms. Anit Thomas
16	First Advisory Meeting of S1ADS (2021-2025 Batch).	08.12.2021	Ms. Swathi Chandra. Ms.Achala Prasad
17	First Advisory Meeting of S1CSD (2021-2025 Batch).	08.12.2021	Ms. Divya K Ms Bindu Sebastian, ECE
18	Second Advisory Meeting of S3 CSE A (2020-2024 Batch).	25.01.2022	Ms.Divya B Ms. Ambili M A
19	Second Advisory Meeting of S3 CSE ADS (2020-2024 Batch).	27.01.2022	Dr. Manoj V Thomas Ms. Derroll David
20	Second Advisory Meeting of S3 CSE C (2020-2024 Batch).	28.01.2022	Mr Abdul Latheef Ms Angel Varghese
21	Second Advisory Meeting of S3 CSE B (2020-2024 Batch).	28.01.2022	Ms. Akhila Mathew Mr Johny P Joseph
22	Second Advisory Meeting of S5 CSE A (2019-2023 Batch).	28.01.2022	Sr. Jisha C T Ms. Anusha Chacko, ECE
23	Second Advisory Meeting of S5 CSE B (2019-2023 Batch).	28.01.2022	Ms. Vidhya S. S Ms. Asha Baby
24	Second Advisory Meeting of S1 CSE C (2021-2025 Batch).	29.01.2022	Ms. Nayana Suresh Ms Namitha P
25	Second Advisory Meeting of S1 CSD (2021-2025 Batch).	31.01.2022	Ms. Divya K Ms. Bindu Sebastian, ECE
26	Second Advisory Meeting of S1 ADS (2021-2025 Batch).	03.02.2022	Ms. Swathi Chandra Ms.Achala Prasad
27	Second Advisory Meeting of S1 CSE B (2021-2025 Batch).	04.02.2022	Ms. Febin I P Ms. Tintu Devasia

28	Second Advisory Meeting of S1 CSE A (2021-2025 Batch).	05.02.2022	Ms. Ancy K Sunny Ms. Anit Thomas
29	Third Advisory Meeting of S3 CSE A (2020-2024 Batch).	03.03.2022	Ms. Divya B Ms. Ambili M A
30	Third Advisory Meeting of S5 CSE B (2019-2023 Batch).	05.03.2021	Ms. Vidhya S. S Ms. Asha Baby
31	Third Advisory Meeting of S5 CSE A (2019-2023 Batch).	05.03.2021	Sr. Jisha C T Ms. Anusha Chacko, ECE
32	Third Advisory Meeting of S3 ADS (2020-2024 Batch).	11.03.2022	Dr. Manoj V Thomas Ms. Derroll David
33	Third Advisory Meeting of S3 CSE C (2020-2024 Batch).	11.03.2022	Mr Abdul Latheef Ms Angel Varghese
34	Third Advisory Meeting of S3 CSE B (2020-2024 Batch).	11.03.2022	Ms. Ambili M. A
35	Third Advisory Meeting of S1 CSE B (2021-2025 Batch).	10.03.2022	Ms. Febin I P Ms. Tintu Devasia
36	Third Advisory Meeting of S1 CSE C (2021-2025 Batch).	18.03.2022	Ms. Nayana Suresh Ms Namitha P
37	Third Advisory Meeting of S1 CSD (2021-2025 Batch).	18.03.2022	Ms. Divya K Ms. Bindu Sebastian, ECE
38	Third Advisory Meeting of S1 CSE A (2021-2025 Batch).	18.03.2022	Ms. Ancy K Sunny Ms. Anit Thomas
39	Third Advisory Meeting of S1 ADS (2021-2025 Batch).	19.03.2022	Ms. Swathi Chandra Ms. Achala Prasad
40	Course Team Meeting of S8 CSE (2018-2022 Batch).	03.03.2022	Ms Neena V V, Ms Keerthijith P Ms Nayana Suresh

41	First advisory Meeting of S8 CSE (2018-2022 Batch).	14.03.2022	Ms Neena V V
42	Course Team Meeting of S2 CSE A, B, C, ADS and CSD (2021-2025 Batch).	05.04.2022	Ms. Anit Thomas Ms. Ancy K Sunny Ms. Febin I P Ms. Tintu Devasia Ms. Nayana Suresh Ms Namitha P Ms. Swathi Chandra Ms.Achala Prasad Ms. Divya K Ms. Bindu Sebastian, ECE
43	Course Team Meeting of S6 CSE A and B (2019-2023 Batch).	08.04.2022	Ms. Vidhya S.S Ms. Asha Baby Ms. Anusha Chacko Sr. Jisha C T
44	Course Team Meeting of S4 CSE A, B, C and ADS (2020-2024 Batch).	11.04.2022	Dr. Manoj V Thomas Ms.Divya B Ms. Ambili M A Mr. Abdul Latheef Ms. Sreeraji Narayanan
45	First Advisory Meeting of S2 CSE B (2021-2025 Batch).	30.04.2022	Ms. Tintu Devasia
46	First Advisory Meeting of S2 CSE C (2021-2025 Batch).	30.04.2022	Ms. Nayana Suresh Ms Namitha P
48	First Advisory Meeting of S2 CSE A (2021-2025 Batch).	30.04.2022	Ms. Anit Thomas Mr Ryne P M , M E

49	First Advisory Meeting of S2 ADS (2021-2025 Batch).	30.04.2022	Ms. Swathi Chandra Rijin I K
50	First Advisory Meeting of S2 CSD (2021-2025 Batch).	30.04.2022	Ms. Divya K Ms. Bindu Sebastian, ECE
51	First Advisory Meeting of S6 CSE B (2019-2023 Batch).	04.05.2022	Sr. Jisha C T Ms. Anusha Chacko, ECE
52	First Advisory Meeting of S6 CSE A (2019-2023 Batch).	04.05.2022	Ms. Vidhya S. S Ms. Asha Baby
53	First Advisory Meeting of S4 CSE C (2020-2024 Batch).	04.05.2022	Mr Abdul Latheef Ms. Sreeraji Narayanan
54	First Advisory Meeting of S4 ADS (2020-2024 Batch).	04.05.2022	Dr. Manoj V Thomas Ms. Derroll David
55	First Advisory Meeting of S4 CSE A (2020-2024 Batch).	04.05.2022	Ms.Divya B Ms. Diya Rameshan
56	First Advisory Meeting of S4 CSE B (2020-2024 Batch).	04.05.2022	Ms. Ambili M. A Mr. Rameshan K. P.
57	Second Advisory Meeting of S8 CSE (2018-2022 Batch).	10.05.2022	Ms Neena V V
58	Third Advisory Meeting of S8 CSE (2018-2022 Batch).	06.06.2022	Ms Neena V V
59	Second Advisory Meeting of S4 CSE C (2020-2024 Batch).	17.06.2022	Mr Abdul Latheef Ms. Sreeraji Narayanan
60	Second Advisory Meeting of S4 ADS (2020-2024 Batch).	17.06.2022	Dr. Manoj V Thomas Ms. Derroll David
61	Second Advisory Meeting of S4 CSE A (2020-2024 Batch).	17.06.2022	Ms.Divya B Ms. Diya Rameshan

62	Second Advisory Meeting of S4 CSE B (2020-2024 Batch).	17.06.2022	Ms. Ambili M. A Mr. Rameshan K. P.
63	Second Advisory Meeting of S2 CSE B (2021-2025 Batch).	18.06.2022	Ms. Tintu Devasia
64	Second Advisory Meeting of S2 CSE C (2021-2025 Batch).	18.06.2022	Ms. Nayana Suresh Ms Namitha P
65	Second Advisory Meeting of S2 CSE A (2021-2025 Batch).	18.06.2022	Ms. Anit Thomas Mr Ryne P M , M E
66	Second Advisory Meeting of S2 ADS (2021-2025 Batch).	18.06.2022	Ms. Swathi Chandra Rijin I K
67	Second Advisory Meeting of S2 CSD (2021-2025 Batch).	18.06.2022	Ms. Divya K Ms Bindu Sebastian, ECE
68	Second Advisory Meeting of S6 CSE B (2019-2023 Batch).	20.06.2022	Sr. Jisha C T Ms. Anusha Chacko
69	Second Advisory Meeting of S6 CSE A (2019-2023 Batch).	21.06.2022	Ms. Vidhya S. S Ms. Asha Baby
70	Third Advisory Meeting of S2 CSE B (2021-2025 Batch).	03.08.2022	Ms. Tintu Devasia
71	Third Advisory Meeting of S2 CSE C (2021-2025 Batch).	03.08.2022	Ms. Nayana Suresh Ms Namitha P
72	Third Advisory Meeting of S2 CSE A (2021-2025 Batch).	03.08.2022	Ms. Anit Thomas Mr Ryne P M , M E
73	Third Advisory Meeting of S2 ADS (2021-2025 Batch).	03.08.2022	Ms. Swathi Chandra Rijin I K
74	Third Advisory Meeting of S2 CSD (2021-2025 Batch).	03.08.2022	Ms. Divya K Ms Bindu Sebastian, ECE

75	Third Advisory Meeting of S6 CSE B (2019-2023 Batch).	05.08.2022	Sr. Jisha C T Ms. Anusha Chacko
76	Third Advisory Meeting of S6 CSE A (2019-2023 Batch).	05.08.2022	Ms. Vidhya S. S Ms. Asha Baby
77	Third Advisory Meeting of S4 CSE C (2020-2024 Batch).	17.08.2022	Mr Abdul Latheef Ms. Sreeraji Narayanan
78	Third Advisory Meeting of S4 ADS (2020-2024 Batch).	17.08.2022	Dr. Manoj V Thomas Ms. Derroll David
79	Third Advisory Meeting of S4 CSE A (2020-2024 Batch).	17.08.2022	Ms.Divya B Ms. Diya Rameshan
80	Third Advisory Meeting of S4 CSE B (2020-2024 Batch).	17.08.2022	Ms. Ambili M. A Mr. Rameshan K. P.

IQAC

- ✓ Formed IQAC for the academic year 2021-22 in July 2021.
- ✓ Completed IQAC verification for odd semester & even semester, assignments and question papers.

ACHIEVEMENTS OF THE DEPARTMENT

- ✓ Vimal Jyothi Engineering College and Mibiz Cyber Forensic Laboratory held a Memorandum of Understanding (MoU) signing ceremony on 09th August, 2021. MoU was signed by our Principal Dr. Benny Joseph with Reji Vasanth V J, Chairman and Managing Director Mibiz Cyber Forensics Laboratory. We look forward to have great collaboration with Mibiz Cyber Forensic Laboratory. The objective of MoU signing ceremony was to give assistance in Mentoring, Internship, support in Cyber Forensics, Cyber Security, and Recruitment.
- ✓ Department flourishes with a total intake of 300 students. The Department extends its endeavors in excelling through the introduction of a new course “Computer Science and Design”. From last year onwards besides Computer Science and Engineering we have

started “Artificial Intelligence and Data Science”. Both the new courses helps the students to become competent in the new era of this technological world

- ✓ Renewal of Infosys Campus Connect Program in the month of March 2022

MENTORING

Sl. No.	Details	Date	Tutors
1	Mentoring session conducted for S7 CSE (2018-2022 Batch).	October 2021	Ms. Neena V V
2	Mentoring session conducted for S3 ADS (2020-2024 Batch).	November 2021	Dr. Manoj V Thomas Ms. Derroll David
3	Mentoring session conducted for S1 CSD (2021-2025 Batch).	December 2021	Ms. Divya K Ms Bindu Sebastian, ECE
4	Mentoring session conducted for S1 ADS (2021-2025 Batch).	December 2021	Ms. Swathi Chandra Ms.Achala Prasad
5	Mentoring session conducted for S1 CSE C(2021-2025 Batch).	December 2021	Ms. Nayana Suresh Ms Namitha P
6	Mentoring session conducted for S1 CSE A(2021-2025 Batch).	December 2021	Ms.Ancy K Sunny Ms Anit Thomas
7	Mentoring session conducted for S1 CSE B(2021-2025 Batch).	December 2021	Ms. Tintu Devasia Ms Febin I P
8	Mentoring session conducted for S5 CSE A (2019-2023 Batch).	December 2021	Ms.Jisha C T Ms Anusha Chacko
9	Mentoring session conducted for S5 CSE B (2019-2023 Batch).	December 2021	Ms. Vidhya S. S Ms. Asha Baby
10	Mentoring session conducted for S7 CSE (2018-2022 Batch).	December 2021	Ms. Neena V V
11	Mentoring session conducted for S3 CSE B (2020-2024 Batch).	December 2021	Ms. Akhila Mathew Mr Johny P Joseph

12	Mentoring session conducted for S3 CSE C (2020-2024 Batch).	December 2021	Ms. Angel Varghese Mr Abdul Latheef
13	Mentoring session conducted for S1 CSD (2021-2025 Batch).	January 2022	Ms. Divya K Ms Bindu Sebastian, ECE
14	Mentoring session conducted for S3 CSE C (2020-2024 Batch).	January 2022	Ms. Angel Varghese Mr Abdul Latheef
15	Mentoring session conducted for S3 CSE A (2020-2024 Batch).	January 2022	Ms. Divya B Ms. Ambily M A
16	Mentoring session conducted for S5 CSE A (2019-2023 Batch).	January 2022	Ms.Jisha C T Ms Anusha Chacko
17	Mentoring session conducted for S5 CSE B (2019-2023 Batch).	January 2022	Ms.Asha Baby Ms.Vidhya S S
18	Mentoring session conducted for S3 ADS (2020-2024 Batch).	January 2022	Dr. Manoj V Thomas Ms. Derroll David
19	Mentoring session conducted for S8 CSE (2018-2022 Batch).	April 2022	Ms. Neena V V
20	Mentoring session conducted for S6 CSE A (2019-2023 Batch).	May 2022	Ms.Jisha C T Ms Anusha Chacko
21	Mentoring session conducted for S4 CSE A (2020-2024 Batch).	May 2022	Ms. Divya B Ms. Diya Ramesan
22	Mentoring session conducted for S4 ADS (2020-2024 Batch).	May 2022	Dr. Manoj V Thomas Ms. Thripathi P Balakrishnan
23	Mentoring session conducted for S4 CSE B (2020-2024 Batch).	May 2021	Ms. Ambily M A
24	Mentoring session conducted for S6 CSE B (2019-2023 Batch).	June 2022	Ms.Vidhya S S Ms. Asha Baby
25	Mentoring session conducted for S2 CSE C(2021-2025 Batch).	June 2022	Ms. Nayana Suresh Ms Namitha P
26	Mentoring session conducted for S2 CSD(2021-2025 Batch).	June 2022	Ms. Divya K Ms Bindu Sebastian, ECE
27	Mentoring session conducted for S8 CSE (2018-2022 Batch).	June 2022	Ms. Neena V V

28	Mentoring session conducted for S2 CSE A(2021-2025 Batch).	June 2022	Ms Anit Thomas Mr Ryne P M
29	Mentoring session conducted for S2 CSE C(2021-2025 Batch).	July 2022	Ms. Nayana Suresh Ms Namitha P
30	Mentoring session conducted for S4 CSE C (2020-2024 Batch).	July 2022	Ms. Sreeraji Narayanan Mr Abdul Latheef
31	Mentoring session conducted for S2 CSD(2021-2025 Batch).	July 2022	Ms. Divya K Ms Bindu Sebastian, ECE
32	Mentoring session conducted for S2 ADS (2021-2025 Batch).	July 2022	Mr.Rijin I K Ms. Swathi Chandra
33	Mentoring session conducted for S2 CSE B (2021-2025 Batch).	July 2022	Ms. Tintu Devasia
34	Mentoring session conducted for S6 CSE B (2019-2023 Batch).	August 2022	Ms.Vidhya S S Ms. Asha Baby

PTA MEETINGS

Sl. No.	Details	Date	Faculty in charge
1	PTA Meeting of S3 CSE A, S3 CSE B, S3 CSE C, & S3 ADS (2020-2024 Batch)	04.01.2022	Ms. Divya B Ms. Akhila Mathew Mr. Abdul Latheef Ms. Derroll David
2	PTA meeting of S5 CSE A and B (2019-2023 Batch)	04.01.2022	Sr. Jisha C.T Ms Anusha Chacko Ms. Vidhya S.S Ms. Asha Baby

3	PTA Meeting of S1 CSE A, B, C, ADS and CSD (2021-2025 Batch).	19.01.2022	Ms. Ancy K. Sunny Ms. Anit Thomas M Ms. Swathi Chandra Ms. Achala Prasad Ms. Divya K Ms Bindu Sebastian Ms. Febin I P Ms. Tintu Devasia Ms. Nayana Suresh Ms Namitha P
4	PTA Meeting of S2 CSE A, S2 CSE B, S2 CSE C, S2 ADS, S2 CSE CSD (2021-2025Batch)	25.05.2022	Mr Ryne P M Ms. Anit Thomas M Ms Swathi Chandra Mr.Rijin I K Ms. Divya K Ms Bindu Sebastian Ms.Tintu Devasia Ms. Nayana Suresh Ms Namitha P
5	PTA Meeting of S6 CSE A and B (2019-2023 Batch)	26.05.2022	Sr. Jisha C.T Ms. Vidhya S.S Ms. Asha Baby Ms. Anusha Chacko
6	PTA meeting of S4 CSE A, S4 CSE B, S4 CSE C, & S4 ADS (2020-2024 Batch)	31.05.2022	Ms. Divya B Ms. Diya Ramesan Ms. Ambili M A Dr. Manoj.V.Thomas Ms. Thripthi P Balakrishnan Mr. Abdul Latheef Ms.Sreeraji Narayanan

ADDITIONAL FACILITY & BEST PRACTICES

- Infosys Campus Connect Springboard Virtual Roadshow was conducted by Ms. Divya B for S2, S4 and S6 CSE students on 01/07/2022.
- Conducted a session for 12th standard students about CSE, ADS & CSD and its job opportunities by Ms. Tintu Devasia and Ms. Sreeraji Narayanan on 13/06/2022.

Report on Teachers' Participation in Faculty Development Programmes (FDP) in the academic year 2021-22

During the academic year 2021-22, faculty members from our institution were enthusiastically engaged in numerous FDPs and workshops, geared towards enriching their expertise and capabilities across diverse domains of engineering and education. Below is a detailed summary of their active participation in these events:

- 1. Innovation Ambassador training (Foundation Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE**
 - Participants : Dr. G Glan Devadhas, Mr.Dhanoj Mohan, Mr Shinu M M, and Ms Jinsa Mathew
 - Date : 30 June 2021-30 July 2021

- 2. ATAL Sponsored online FDP on Virtual & Augmented Reality conducted by Vimal Jyothi Engineering College.**
 - Participants : Ms Shamy A, Ms Reshma K V, Mr.Dhanoj Mohan, Mr Shinu M M, Ms Jinsa Mathew,
 - Date: 12th July to 16th July 2021

- 3. FDP on Inculcating Universal Human Values in Technical Education conducted by AICTE**
 - Participants : Ms Shamy A, Ms Jinsa Mathew and Ms. Divya K
 - Date: 02/08/2021-06/08/2021

- 4. Workshop on embedded systems -An application driven approach conducted by AICTE**
 - Participants : Ms Shamy A, Ms Jinsa Mathew and Ms. Divya K
 - Date: 25/8/2021-27/8/2021

- 5. Workshop on “Research Methodology” organized by Annai Vailankanni College of Engineering**
 - Participants : Ms Reshma K V
 - Date: 02.06 2021 to 04.06.2021

- 6. FDP on Advancements in Geotechnical Engineering - AGE 2025**
 - Participants : Ms. Vinaya S M, Mr. Abhijath P, Ms. Anuragi P, Ms. Athira Rajedran, Ms. Anitha Babu, Mr. Ashwin Joy, Ms. Hridya P, Ms. Indu T, Mr. Logi N Bobby, Ms. Maqsooda JHS, Mr. Peter Jobe, Ms. Rinnet Francis, Mr. Saneesh K, Ms. Sigi Thomas, Mr. Rojin P and Ms. Margaret Abraham

- Date: 26/11/2021 - 26/11/2025

7. FDP on Enhancing Civil Engineering Proficiency 2022

- Participants : Ms. Vinaya S M, Mr. Abhijath P, Ms. Anuragi P, Ms. Athira Rajedran, Ms. Anitha Babu, Mr. Ashwin Joy, Ms. Hridya P, Ms. Indu T, Mr. Logi N Bobby, Ms. Maqsooda JHS, Mr. Peter Jobe, Ms. Rinnet Francis, Mr. Saneesh K, Ms. Sigi Thomas, Mr. Rojin P and Ms. Margaret Abraham
- Date: 16/06/2022 - 18/06/2030

8. FDP on " Statistical Foundations of Data Science and Machine Learning

- Participants : Dr. Jeethu V. Devasia
- Date: 27/10/2021 to 31/10/2021

9. FDP on "Advances in Natural Language Processing using AI"

- Participants : Dr. Jeethu V. Devasia, Dr.Reema Mathew A, Ms. Divya B, Ms. Neena V V, Mr. Abdul Latheef, Ms. Asha Baby, Ms. Derroll David, Ms. Anisha Joseph, Ms. Tintu Devasia, Ms. Divya K, Ms. Ambili M A, Ms. Nayana Suresh, Ms. Anit Thomas M, Ms. Namitha P, Ms. Swathi Chandra M T, Ms. Sreeraji Narayanan
- Date: 14/03/2022 to 18/03/2022

10. FDP on "Deep Learning for Visual Computing"

- Participants : Dr.Reema Mathew A
- Date: 12/07/2021 to 16/07/2021

11. FDP on "Artificial Intelligence and Machine Learning"

- Participants : Ms. Divya B, Ms. Neena V V,
- Date: 04/10/2021 to 08/10/2021

12. FDP on "Deep Learning for Image and Video Applications"

- Participants : Ms. Neena V V,
- Date: 15/06/2021 to 17/06/2021

13. STTP on " Data Science and Machine Learning"

- Participants : Ms. Divya K
- Date: 07/06/2021 to 11/06/2021

14. Online Learning in Technical Institutions using Virtual Labs

- Participants : Ms. Ambili M A
- Date: 31/08/2021 to 04/09/2021

15. FDP on Satellite Image Analysis and Applications using Deep Learning

- Participants : Dr.Febin I P
- Date: 11/03/2021 to 13/03/2021

16. AICTE Training and Learning Academy Online FDP on " Wearable Devices"

- Participants : Adarsh K S, Dr. Jayesh George M
- Date: 11/01/2021 - 15/01/2021

17. FDP on Biomaterials, Biodevices and Medical Imaging Processes

- Participants : Grace John M
- Date: 10/08/2021 - 14/08/2021

18. FDP on Power Electronic control in Renewable Energy Applications

- Participants :MS.LALY JAMES, Dr.G.JUSTIN SUNIL DHAS, Dr.R.SENTHILKUMAR, TEENA GEORGE, TINU FRANCIS, JYOTHI JOSEPH, JIJO JOSEPH, ANKITA SEBASTIAN, ATHIRA M THOMAS, SHELMA GEORGE, INDULEKHA K M,
- Date: 25.04.2022 to 29.04.2022

19. FDP on Recent trends in Electric Vehicle and System Design

- Participants :Dr.G.JUSTIN SUNIL DHAS, TINTU GEORGE T
- Date: 7/06/2021 to 9/6/2021

20. FDP on Robotics Control and Application

- Participants : TINTU GEORGE T , ATHIRA M THOMAS
- Date: 4/4/22-8/4/22

21. 5 days Indo-US SPARK Online workshop on Smartgrid empowering smart cities 2021

- Participants : PRABIN JAMES
- Date: 18.10.2021 to 22.10.2021

22. FDP on " Deep Learning, perspectives trends and research prospects"

- Participants : PRABIN JAMES
- Date: 25.10.2021 to 30.10.2021

23. FDP on Emerging Trends in Power, Energy and Control

- Participants : ATHIRA M THOMAS
- Date: 22 August 2022 to 27 August 2022

24. FDP on Advances in Matching, Manufacturing and Computing Process

- Participants : Dr Christopher E Singh
- Date: 24/05/2021 - 29/05/2021

25. FDP on Enhancing Quality Teaching Strategies through Outcome Based Education

- Participants : Dr Christopher E Singh
- Date: 02/03/2021 - 03/03/2021

26. FDP on Emerging Trends in VLSI Design

- Participants : Dr. P Sridharan
- Date: 21/09/2021 - 25/09/2021

27. FDP on Multi Objective Optimization and Product Innovation Through TRIZ

- Participants : Dr.Sreekanth M P
- Date: 12-16 July 2021

28. FDP on The Art Gallery of Engineering Graphics

- Participants : Mr Rameshan KP, Mr Midhun Mukundan, Mr Aji Augustine, Mr.Gokulnath R, Mr Shaminmuth K K, Mr.Mejo M Francis, Mr Arunlal M P, Mr.Jerin Saji
- Date: 2 - 6 August 2021

29. Virtual and Augmented Reality for Robotics

- Participants : Mr.Appu C Kurian
- Date: 12 - 16 July 2021

30. FDP on Entrepreneurship and Essential Skills for Innovation (EESI)

- Participants : Mr Aji Augustine
- Date: 6 - 10 September 2021

31. FDP on Industry 4.0 & Digital Supply Chain

- Participants : Mr.Gokulnath R, Mr.Shaji George, Mr Dilin Dinesh
- Date: 6 - 10 September 2021

32. FDP on Novel Materials

- Participants : Niyas K M
- Date: 23-27 August 2021

33. FDP on Operation Management

- Participants : Niyas K M
- Date: 16-20 Aug 2021

These programs cover a wide range of topics including innovation, virtual reality, human values in education, embedded systems, research methodology, advancements in engineering, data science, machine learning, artificial intelligence, robotics, renewable energy, and many more.