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ECE NEWS

Department of Electronics & Communication Engineering

Jyothi Engineering College, Cheruthuruthy, Thrissur - 679531

Vision	Mission
Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.	Provide theoretical and practical knowledge through quality education and life skills training to make competent graduates with social commitment. To impart entrepreneurial orientation and research motivation among the students through knowledge transfer with industrial, academic & research institutions.

DEPARTMENT ACTIVITIES &ACHIEVEMENTS

- Online Cultural Fest **'ENOVA 21'** organized by ECE department on 14th June 2021.

- Organized a Two days workshop **"Tinker CAD Circuits"** organized by Dept. of Electronics & Communication Engineering, Jyothi Engineering College, Thrissur in association with **IETE** Student Forum (ISF) and **ECSA** from **08th to 09th July 2021.**

- **IEI** student chapters of CSE & ECE departments are jointly organizing a webinar on **"Telecommunications Basics & Introduction to 5G"** in association with World Telecommunication and Information Society Day, **17th May.**

- **Ms. Ashwini Namboothiri S7 ECE** selected for the **BEST STUDENT AWARD** under ISTE Kerala section. She is also selected from KTU to meet the Chief Minister of Kerala to discussion on **"The future of higher education in Kerala** on 1st Feb at CUSAT.

- **ISTE** Student Chapter in association with **Electronics & Communication Students Association** (ECSA), Department of ECE, is conducted a Webinar on **" Opportunities And Challenges In 6G Wireless Communications"** by **Dr. Sridhar Iyer** (Dean R&D, SGBIT, Belgavi Karnataka) on 5th January 2021.

- ISTE Student Chapter of ECE conducted a Webinar on **" Application of Matrices in Engineering"** by **Dr.Vinith R** (Associate Professor, Department of CSE, JEC) on **21st September 2021.**

STAFF ACTIVITIES & ACHIEVEMENTS

1. **Mr.Ponmani Raja M**, Assistant Professor,ECE Department participated in the One week International Workshop on **"How to write a Quality Research Article",** jointly organized by the Sri Vidya Mandir Arts and Science College, Uthangarai, Chris University, Bangalore and Jyothi Engineering College,Thrissur of from **24th May to 30th May, 2021**.
2. **Mr.Ponmani Raja M**, Assistant Professor, Jyothi Engineering College has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-1 Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **28.12.2020-10.01.2021.**
3. **Mr.Ponmani Raja M**, Assistant Professor, ECE, Jyothi Engineering College has successfully completed the **MOOC** Course on**"Introduction to Programming in MATLAB"** on **20.2.2021.**
4. **Mr.Ponmani Raja M**, Assistant Professor,ECE,Jyothi Engineering College has attended an online workshop on**"Introduction to virtual Lab"** organized by NITK, Surathkal on **05.2.2021**
5. **Mr.Ponmani Raja M** , has participated in the APJAKTU Sponsored five days online FDP on**" Embedded systems and IOT in Biomedical Application"** organized by department of biomedical Engineering, Sahrdaya college of engineering and Technology from **12-16th July 2021**.
6. **Mr.Ponmani Raja M,** , has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"** organized by Christ(Deemed to be university) and Jyothi engineering college from **12th -22nd July 2021.**

7. **Mr.Ponmani Raja M,**,has successfully participated in the two days "**National Level Workshop on "OUTCOME BASED EDUCATION & NBA ACCREDITATION"** organized by Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore from **12-08-2021 to 13-08-2021**
8. **Mr.Ponmani Raja M,**,has successfully participated in the three days faculty Workshop on **"Embedded Systems - An Application-Driven Approach "**organized by Arm Education, AICTE and STMicroelectronics from **25-08-2021 to 27-08-2021**.
9. **Mr.Ponmani Raja M, has** participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Devices for Modern Wireless Communication System" from 20/09/2021 to 24/09/2021 at School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur
10. **Mr.Ponmani Raja M,** has participated in the "**International Web Conference On Materials Science And Its Technological Advancements"** held on **22nd September, 2021**, Organized by the Department of Physics, Voorhees College, Vellore.
11. **Mr.Ponmani Raja M,** has participated in a webinar on **"Opportunities for Engineers from all Domains in Electric and Hybrid Vehicle Industry by Tapan Rath"** held on **24th September 2021**.
12. **Mr.Ponmani Raja M,** presented a paper on **"Dynamic Wireless Charging for Inductive Power Transfer Systems in Electric Vehicles"** in the First International Conference on Smart Green Connected Societies 2021 (ICTSGS-1) sponsored by ECS takes place virtually on **30th November**, **2021**, YAMAGATA UNIVERSITY, JAPAN.
13. **Mr.Ponmani Raja M,** participated in a FDP on **"Recent Trends in Communication and Computing with 5G - Selection Intimation"** organized by Government College of Technology, Coimbatore held on **13th to 17th December 2021**.
14. **Mr.Ponmani Raja M,** Delivered a talk on **"NBA-SAR overview and document preparation"** organized by Malabar polytechnic campus, Palakkad held on **21st December 2021**.
15. **Ms.Bindhu K Rajan,** has participated & completed successfully a Three days FDP on **" Artificial Intelligence using MATLAB"** for the period of **25th -27th February 2021** organized by Corel Technologies.
16. **Ms. Bindhu K Rajan** , successfully completed AICTE-ISTE sponsored Six Day Online Faculty Development Programme on "**MACHINE LEARNING AND OPTIMIZATION-Phase 2 "**during **22-27th March 2021**.
17. **Ms. Bindhu K Rajan** , has participated in TEQIP sponsored Online Faculty Development programme on **"Recent trends in Image Processing"** during **25th to 27th March 2021** organized by Department of Electronics & Communication Engineering, College of Engineering Vadakara, Kozhikode.

18. **Ms. Bindhu K Rajan** has participated AICTE Training & Learning (ATAL) Academy Online FDP on **" Wearable Devices"** from **11/01/2021 to 15/01/2021** at Saintgits College of Engineering.
19. **Ms Bindhu K Rajan**, has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"** organized by Christ(Deemed to be university) and Jyothi engineering college from 12-22nd July 2021
20. **Ms Bindhu K Rajan**, has participated in the APJAKTU Sponsored five days online FDP on**" Embedded systems and IOT in Biomedical Application"**organized by department of biomedical Engineering, Sahrdaya college of engineering and Technology from **12-16th July 2021**.
21. **Ms.Saritha P**, attended one week ATAL FDP from 4-9th January 2021 on **"wearable devices"** organised by department of EEE **NIT, Hydrabad**.
22. **Ms.Saritha P**, presented a paper entitled **"Review on decoupler for multivariable systems".** 4th Biennial International Conference on Nascent Technologies in Engineering **2021 IEEE & INDUSTRY APPLICATIONS SOCIETY.**
23. **Ms.Saritha P**, attended two day workshop on**" building capability in academia for industry"** on 26&27th January 2021.
24. **Ms.Saritha P**, has participated & completed successfully AICTE Sponsored One Week Faculty Development Programme (FDP) on **"Control System & Sensor Technology"** organized by Department of Electrical & Electronics Engineering at **NIT Calicut during 01.02.2021-05.02.2021**.
25. **Ms.Saritha P**, has participated & completed successfully TEQIP II Sponsored One Week Faculty Development Programme (FDP) on **"Electric Vehicle :Charging & Challenges "**organized by Department of Electrical &Electronics Engineering at College of Engineering Vadakara during **05.02.2021-10.02.2021**
26. **Ms.Saritha P**, has attended an online workshop on **"Introduction to virtual Lab"** organized by **NITK, Surathkal on 05.2.2021.**
27. **Ms.Saritha P**, has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"** organized by Christ(Deemed to be university) and Jyothi engineering college from **12-22nd July 2021.**
28. **Ms. Neethu Rose Thomas**, has participated AICTE Training And Learning (ATAL) Academy Online FDP on **"Wearable Devices"** from **18/01/2021 to 22/1/2021** at University Visvesvaraya College of Engineering.
29. **Ms. Neethu Rose Thomas**, has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-II Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **01.02.2021-14.02.2021.**

30. **Ms. Neethu Rose Thomas**, has participated in KTU sponsored Online Faculty Development Programme on **"Design of Experiments and Optimisation Techniques"** organised by Mechanical Engineering Department of Jyothi Engineering College, Cheruthuruthy from **9-13th August 2021**.
31. **Ms. Neethu Rose Thomas** has attended an online workshop on **"Introduction to virtual Lab"** organized by NITK, Surathkal on **05.2.2021**.
32. **Ms. Neethu Rose Thomas** has completed an online 12 weeks non-credit course on **"Introduction to Programming with MATLAB"** authorized by Vanderbilt University and offered through COURSERA
33. **Ms. Neethu Rose Thomas** participated in the AICTE sponsored online STTP on "**Make in India: Through 3D Printing and Industry 4.0 for the Indian Industries - Phase III ",** organized by the Department of Mechanical Engineering, Kamaraj College of Engineering and Technology (Autonomous), Madurai from **3- 8th May, 2021**.
34. **Ms. Neethu Rose Thomas** participated in the five days Workshop on **"Starting Research from scratch",** organized by the Department of CSE, Karunya Institute of Technology and Sciences, Coimbatore from **24- 28th May, 2021**.
35. **Ms. Neethu Rose Thomas** ,has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"**organized by Christ(Deemed to be university) and Jyothi engineering college from **12-22nd July 2021.**
36. **Dr. Sindhu. S**, has participated AICTE Training And Learning (ATAL) Academy Online FDP on **"Wearable Devices"** from **18/01/2021 to 22/1/2021** at University Visvesvaraya College of Engineering.
37. **Dr. Sindhu. S** has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-II Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **01.02.2021-14.02.2021.**
38. **Dr. Sindhu. S**, has attended an online workshop on**"Introduction to virtual Lab"** organized by NITK, Surathkal on **05.2.2021.**
39. **Dr. Sindhu. S** has contributed as **Reviewer** to **IEEE International Conference on Computing, Communication, and Intelligent Systems Co-Sponsered by IEEE** organised by School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh, India held on **19-20th February 2021.**
40. . **Dr. Sindhu. S**, has completed an online 12 weeks non-credit course on **"Introduction to Programming with MATLAB"** authorized by Vanderbilt University and offered through COURSERA.

41. **Dr. Sindhu. S**, participated in the AICTE sponsored online STTP on **"Make in India: Through 3D Printing and Industry 4.0 for the Indian Industries - Phase III ",** organized by the Department of Mechanical Engineering, Kamaraj College of Engineering and Technology (Autonomous), Madurai from **3- 8th May, 2021**.
42. **Dr. Sindhu. S**, participated in the One week International Workshop on **"How to write a Quality Research Article"**, jointly organized by the Sri Vidya Mandir Arts and Science College, Uthangarai, Chris University, Bangalore and Jyothi Engineering College,Thrissur of from **24-30th May, 2021**.
43. **Dr. Sindhu. S**, has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"** organized by Christ(Deemed to be university) and Jyothi engineering college from **12-22nd July 2021.**
44. **Dr. Sindhu. S**, has successfully completed the **online orientation training program** for mentors organized from **26- 30th July 2021** under **National Initiative for Technical Teachers Training** under AICTE, India
45. **Dr. Sindhu. S**., presented a paper **"Instantaneous Power Estimation Algorithm in Hybrid Power Filter for Power Quality Improvement"** in the Third International Conference on Advances in Electrical and Computer Technologies **2021 (ICAECT 2021)** Coimbatore, India
46. **Mr. Dipin Krishnan R**, has participated AICTE Training & Learning (ATAL) Academy Online FDP on **" Wearable Devices"** from **11/01/2021 to 15/01/2021** at Saintgits College of Engineering.
47. **Mr. Dipin Krishnan R** , has completed 12 weeks NPTEL online course on **'Applied optimization for wireless machine learning and big data'**
48. **Dr. Prajoon P**, presented a hands on session in the workshop **" Two days national level hands-on training on modelling of semiconductor quantum devices for a sustainable energy system using TCAD"** organised by Department of ECE in association with IEEE students branch Kalasalingam Academy of Research and Education on **9th Janaury 2021**.
49. **Dr. Prajoon P**, served as the program committee member in the International conference **"Hybrid intelligent systems (HIS'21)", Dec 14-16, 2021**
50. **Dr. Prajoon P** has handled a technical **hands-on session on TCAD S-Device Simulation**, in the AICTE – ATAL sponsored One Week Faculty Development Programme on FUTURE PERSPECTIVE OF SEMICONDUCTOR DEVICES, organized by the Department of Electronics and Communication Engineering at Kalasalingam Academy of Research and Education on **24.6.2021**.
51. **Dr. Prajoon P** Published a journal article titled **"Influence of Interface trap distributions over the device characteristics of AlGaN/GaN/AlInN MOS-HEMT using Cubic Spline Interpolation technique"** International Journal of Numerical Modelling: Electronic Networks, Devices and Fields **2021**.

52. **Dr.Anoop.V**, has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-II Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **01.02.2021-14.02.2021**.
53. **Dr.Anoop.V**, has participated in TEQIP four fund sponsored Online Faculty Development programme on **"5G Technologies & IOT"** during **15- 19th March 2021** organized by Department of Electronics & Communication Engineering, **GEC, PALAKKAD**.
54. **Dr.Anoop.V** , has Participated in the Online AICTE Recognized Faculty Development Programme on **'Machine Learning using Python'** from **01/03/2021 to 05/03/2021** conducted by Computer Science and Engineering Department NITTTR, Chandigarh.
55. **Ms.Annie P Joseph**, has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme(FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-II Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **01.02.2021-14.02.2021.**
56. **Ms.Roshni Rajan K**, has participated & completed successfully AICTE Sponsored Two Week Faculty Development Programme (FDP) on **"Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB" (Phase-II Online)** organized by Department of Electronics and Communication Engineering at Kakatiya Institute of Technology & Science, Warangal, Telangana during **01.02.2021-14.02.2021**.
57. **Ms.Roshni Rajan K**, has participated & completed successfully AICTE Sponsored One Week Faculty Development Programme(FDP) on **"Control System & Sensor Technology"**organized by Department of Electrical & Electronics Engineering at NIT Calicut during **01.02.2021-05.02.2021**
58. **Ms.Roshni Rajan K**, has attended an online workshop on**"Introduction to virtual Lab"** organized by NITK, Surathkal on **05.2.2021.**
59. **Ms.Roshni Rajan K** has completed an online 12 weeks non-credit course on Introduction to Programming with MATLAB authorized by Vanderbilt University and offered through Coursera.
60. **Ms.Roshni Rajan K**,AP, Dept. of ECE, has participated in TEQIP four fund sponsored Online Faculty Development programme on ' 5G Technologies & IOT" during 15th to 19th MARCH 2021 organized by Department of Electronics & Communication Engineering, GEC, PALAKKAD
61. **Ms.Roshni Rajan K**,Assistant Professor,ECE Department participated in the AICTE sponsored online STTP on "Make in India: Through 3D Printing and Industry 4.0 for the Indian Industries - Phase III ", organized by the Department of Mechanical Engineering, Kamaraj College of Engineering and Technology (Autonomous), Madurai from 3rd May to 8th May, 2021.

62. **Ms.Roshni Rajan K**, participated in the online webinar on **"Introduction to Model Predictive Control and its Applications"** Organized by Department of Electrical & Electronics Engineering,Mar Baselios College of Engineering & Technology,Thiruvananthapuram on **22nd May 2021.**
63. **Ms.Roshni Rajan K** has attended 3 days KTU sponsored online faculty development programme on **'Recent Trends In Electric Vehicles & System Design"** organized by Department of Electrical and Electronics Engineering,Sahrdaya College of Engineering and Technology,Kodakara from **07-06-2021 to 09-06-2021.**
64. **Ms.Roshni Rajan K**, has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"**organized by Christ(Deemed to be university) and Jyothi engineering college from **12-22nd July 2021**
65. **Ms.Roshni Rajan K**,,AP,ECE has participated in KTU sponsored FDP on **"Advances in Power Electronics, Conversion Techniques for Renewable Energy and Electric Vehicle Applications"**organized by EEE Department of Jyothi Engineering College,Cheruthuruthy from **9-13th August 2021.**
66. **Ms. shaicy P Shaji**, has attended an online workshop on**"Introduction to virtual Lab"** organized by NITK, Surathkal on **05.2.2021**.
67. **Ms. shaicy P Shaji**, has completed an online **12 weeks** non-credit course on **"Introduction to Programming with MATLAB "** authorized by Vanderbilt University.
68. **Ms. Ambily Francis** has participated & completed successfully a Three days FDP on **"Artificial Intelligence using MATLAB"** for the period of **25th to 27th February 2021** organized by Corel Technologies.
69. **Ms. Ambily Francis** , successfully completed AICTE-ISTE sponsored Six Day Online Faculty Development Programme on **"MACHINE LEARNING AND OPTIMIZATION-Phase 2 "**during **22-27th March 2021.**
70. **Ms.Drisya M K**, has attended workshop on **"Fundamentals of Deep Learning"** at shaastra 2021,**IIT Madras** during **25-26th march 2021**
71. **Ms. Annie P Joseph**, participated One week International Workshop on **"How to write a Quality Research Article",** jointly organized by the Sri Vidya Mandir Arts and Science College, Uthangarai, Chris University, Bangalore and Jyothi Engineering College,Thrissur of from **24th – 30th May, 2021**.
72. **Ms. Annie P Joseph**, ,has participated in the two weeks International Faculty Development Programme (FDP) on **"The Art of Doing Research"**organized by Christ(Deemed to be university) and Jyothi engineering college from **12-22nd July 2021.**

STUDENTS ACTIVITIES AND ACHIEVEMENTS

- **Abhijith Sureshkumar, Menon, Ashwini Namboothiri, Maria Shaji** have been placed at **Tata Consultancy Services (TCS).**
- **Kavya Kripakaran** has been placed on **COGNIZANT** .
- **Ms. Jelile Rosa Jose and Ms. Chaithanya A B** has Completed **a course on Digital Marketing** by unschool on 15th January 2020.
- **Mr. John Paul,** student of **S7 ECE** got placed in **Infosys.**
- Thirteen students of **S3 ECE** attended Webinar on **" 6G Communications"** in association with ISTE & ECSA, " on **5th January 2021**
- **Mr.Sree Hari**, has attended a webinar on **"Electric & Future Mobility**" organized by Mar Athanasius college of Engineering on **22.05.2021.**
- Six students from **S4-ECE**, has attended a webinar on "**Telecommunications Basics & Introduction to 5G"** organized by Jyothi Engineering College on **22.05.2021.**
- Four students from **S4 ECE**, has attended a **National Level quiz on "Power Electronics & Drives"** organized by Mandsaur university, Madhya Pradesh on **29.05.2021.**
- **Ms**. **Archana C R, Ms. Sona Roy** have attended webinar **'Interview Techniques And Resume Building'** IEI student chapters of CSE &ECE in association with world telecommunication and information society on 29th May 2021.
- **Ms. Sona Roy** has participated in the Webinar on **"Interview Techniques And Resume Building "** organized by IEDC and placement and training cell on **29th May 2021**
- **Ms. B Mithra** has participated in the **"Hello weekend covid 19 awareness programme"** conducted by NSS UNITS of TKM INSTITUTE OF TECHNOLOGY on behalf of APJAKTU NSS CELL.
- **Mr. Akhil K J** has successfully completed the online course **" Build Your Own Gps Tracking System" on 25th May 2021** organised by Udemy.
- **Abhijith Sureshkumar Menon, Anchana Vinod, Joshwa Tony And Malini Mohandas** of **S8 ECE** won the **Best Project** under the guidance of **Dr Sindhu S**, for their project **"BANKOMAT"** in **5th National Level IEEE Project Competition** held by GSSS institute of engineering and technology for women, Mysuru, Karnataka.
- **Mr.Dony Babu** , **Mr.Chris Noyal T S** and **Mr. Joseph Jaison P**, S4 ECE attended a webinar on**" E-Mobility: An insight to Electrification of Automobiles"** conducted on **13th June 2021** by IEDC Vidya Academy of science and Technology, Thrissur.
- **Mr. Joseph Jaison P**, S4 ECE, attended a Webinar on "**Scope of engineers in BIM".** On **2nd June 2021** conducted by RACE in association with ARME.

- **Mr. Joseph Jaison P and Ms. Sanha Salam**, S4 ECE, attended Webinar on **"Introduction To Foss"** organized by FOSS CLUB in association with Innovation and Entrepreneurship Development Cell on 5th June, 2021.
- **Mr. Joseph Jaison P, C Akshay Raj and Mr.Gokul P**, S4 ECE has completed a 1-day webinar on **"Game Development"** on 5th June, 2021 conducted by TORC INFOTECH PVT LTD, Kochi.
- **Mr. Alen Paul and Mr. Gokul P S4ECE** participated in the webinar series, **"Unravelling Technologies of the Future"** on the topic **"Beneficial Al for Humanity"** conducted on 4th june 2021 organized by CLEMENTIA, CSE Department Association, Sreepathy Institute of Technology(SIMAT) , Vavanoor .
- **Mr. Alen Paul S4ECE** Participated in the Webinar on "**Building Digital Business With Open Source"** organized by CESA & IEI student chapter, CSE, Jyothi Engineering College on 5th June 2021.
- **Mr. Alen Paul S4ECE**, Webinar on **" Building Embedded Systems With Arduino "** organized by IEEE Jyothi Engineering College Cheruthuruthy , Thrissur on **20th June 2021**.
- **Mr. SREEHARI.V** S4 ECE participated in one day webinar on **"Scope of engineers in BIM" on June 2nd 2021.**
- **Mr. Gokul P**, S4 ECEWebinar on **"A Platform for Career Building- What They Want? What We Can?"** organized by ECE and EEE, Sree Narayana Guru College of Engineering and Technology, Payyanur on **12th June, 2021.**
- **Mr.Chris Noyal T S**, S4-ECE Department completed online course on **"Fundamentals of digital marketing"** by Google on **06/06/2021**
- **Ms. Sanha Salam,** S4ECE participated in the Jyothi nature environmental forum image campaign **"planting a tree in our premises "**on 5th June2021.
- **Ms. Sumyuktha V**. K, **Ms. Anagha M** S3 ECE Department participated in the webinar**" Building Digital Businesses with open source",** Jointly organized by the CESA and IEI student chapter of Jyothi Engineering college on 5th June ,2021
- **Ms. Sumyuktha V, Ms. Sayana. S** and **Ms. Anusha C E** participated in the webinar**" Engineering - An ocean of opportunities ",** Jointly organized by ISTE JECC student chapter and CGP career Avenue on **24th June ,2021**
- **Ms.Bhavana Vijayan**, S4ECE, attended webinar on **"IEEE - enhancing your project work and research",** organised by IEEE of Jyothi engineering college on **02/07/2021.**
- Eight students of S4 ECE participated a webinar on "**Biomedical Engineers-Heroes Behind the Scene of the COVID 19 Crisis",**organized in association with IEI conducted on Saturday **24th July 2021.**

- **Ms.M Fathima Nazrin, Ms.Anjali K, Ms.Divya S, Ms.Samyuktha V K**, S4ECE, attended online webinar on **'IEEE XPLORE'** organized by Jyothi Engineering College on **2/07/2021.**
- Seven students of S4 ECE, in association with IETE Student Forum (ISF) & ECSA organised two days workshop on the topic **"Tinker CAD Circuits"** on **08/07/21 & 09/07/21.**
- Eight students of **S4 ECE** participated in a webinar on**" Application of Matrices in Engineering"** organized by ISTE student chapter on **21st September 2021**.
- Six students of S4 ECE participated in a Webinar**" Opportunities for Engineers from all Domains in Electric and Hybrid Vehicle Industry by Tapan Rath"** on 24th September 2021.
- **Mr.Gokul, Ms.Agna** of S4 ECE participated in **Engineers day Quiz** Competition conducted by **ASCE CET Trivandram**.
- **Mr. Rakesh R Nair** has participated in the Webinar on **"Juspay Hiring Challenge- Think Big with Functional Programming"** organised by Juspay.

Programme Educational Objectives (PEOs)

Graduates shall have fundamental and advanced knowledge in electronics and communication engineering along with knowledge in mathematics, science and computing and get employed in national or international organizations or government agencies.

I. Graduates shall have ability in analyzing, designing and creating innovative solutions which lead to a lifelong learning process or higher qualification, making them experts in their profession thus helping to solve electronics & communication engineering and social problems.

II. Graduates shall have good organizing capability, presentation skills, communicating ability, leadership, team work and ethical practices.

Programme Outcomes (POs)

The Program Outcomes of Under-Graduate programs in Electronics & Communication Engineering are :

Students will have:

a. Ability to apply knowledge of mathematics, science and engineering in the field of Electronics & Communication engineering.

b. Ability to design and conduct experiments, analyze and interpret data and results in Electronics & Communication engineering.

c. Ability to design Electronics & Communication systems, components, or processes to meet the desired needs within realistic constraints such as health and safety, manufacturability and sustainability with economic, environmental, social, political and ethical considerations.

d. Ability to work individually as well as in multidisciplinary teams as a member or as a leader to accomplish the common goal.

e. Ability to identify, analyze, formulate, and solve engineering problems.

f. Knowledge of professional and ethical responsibility.

g. Ability to communicate effectively in both verbal and written form in any area of their field to the industry, and society.

h. Broad knowledge necessary to understand the impact of engineering solutions on individuals, organizations and society.

i. Ability to engage in life-long learning to update their knowledge to keep pace with changes caused by the dynamic nature of the engineering field.

j. Awareness of contemporary issues that help to integrate advanced and sustainable solutions in the user environment.

k. Ability to use techniques, skills, and modern engineering tools, software and equipment necessary for designing, developing electronic systems.