

KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name : Ms.D.Vennila	
Designation:	Assistant Professor
Qualification:	M.E.
Area of Specialization:	Applied Electronics
Experience:	Teaching: 17.5 Years Industry: 06 Months
No. of Programme attended:	Workshop: 14 Conference: 17 FDP: 35
Publication:	Journal National:-NIL International:03
	Conference National: 03 International:10

Workshop / Conferences / FDP attended : 14 / 17 /35

JOURNAL PUBLICATIONS

- S. Dhanasekar, E. Ilankhatir, S. Divakar and D. Vennila, "A Survey on IOT Architecture", International Journal of Advanced Scientific Research & Development (IJASRD), 2019, Volume 06, Iss. 04, Ver. I, Apr' 2019, pp. 09 – 15 . ISSN: 2395-6089, ISSN: 2394-8906.**
- Vennila.D, & Ramya, K., "Milk Product Monitoring System Using DSP Processor", International Journal of Advanced Scientific Research & Development (IJASRD), 2018, Volume 05, Special Issue I, March 2018, pp. 101-109. ISSN: 2395-6089, ISSN: 2394-8906.**
- R.Sathya, D.Vennila, "An optimal technique for software defined radio using modem" International Journal of Advanced Research Trends in Engineering and**

CONFERENCE PUBLICATIONS

1. **D.Vennila, "Smart Industrial Pollution and Filtration system using Internet of Things"** National conference on Envision on 5G in AI, IoT & Cloud computing Applications at Parisutham Institute of Science and Technology, on 28th March 2024.
2. **D.Vennila, "Smart Industrial Pollution and Filtration system using Internet of Things"** International conference on Recent trends in Engineering and Science (RTES-2024) at Kings College of Engineering, on 2nd & 3rd May 2024.
3. **D.Vennila, "Design of an intelligent wheel chair system using Arduino"** International conference on Innovations in Innovative research in power and Energy Engineering (IRPEE-21) at Arasu Engineering College, on 25th March 2021.
4. **D.Vennila, K.Ramya "Design and Implementation of low power Nanogrid with Intelligent Solar PV Utilization"** IEEE International conference on Innovations in Information and Communication Technology (ICICT-2019) at St.Peter's College of Engineering and Technology, on 25th and 26th April 2019.
5. **D.Vennila, "Optimization of low voltage nanogrid with Intelligent solar panel using VLSI Design"** National conference on Emerging Trends in Electronics and Communication Engineering (NCETECE-2019) at Kings College of Engineering, on 15th March 2019.
6. **D.Vennila, "Implementation of roadside wireless sensor communication for intelligent Navigation"** National conference on Advanced communication, computing and power systems (NCACCPS 2K'19) at St. Joseph's college of Engineering and technology, on 09th March 2019.
7. **D.Vennila, D.Dhanasekaran, E.IIankhatir "Life time maximization using routing protocols in MANET"** National conference on Advanced communication, computing and power systems (NCACCPS 2K'18) at St. Joseph's college of Engineering and technology, on 23rd March 2018.
8. **D.Vennila, Ramya.P "Milk product monitoring system using DSP processor"** National conference on Innovations in Embedded systems and Networking (NCIEN-18) at Kings college of Engineering, on 21st March 2018.
9. **D.Vennila, J.Mahanandhini, M.Roshini "Earlier detection of microbial activity to monitor the raw milk product using ARM processor"** National conference on

Emerging Trends in Engineering & technology (NCETET'17) at NANDHA college of Technology, Erode. On 17th March 2017.

10. **D.Vennila, Ramya.P, Sushmitha.P “Converting a plant to a battery through wireless sensor network with low cost”** 3rd National conference on recent advancements in technologies (RAT 2017) at Mother Terasa college of Engineering & Technology, Pudukkottai. 10th & 11th March 2017.
11. **D.Vennila, “Effective Wireless Environment Monitoring in Underground coal mines”** at MRK Institute of Technology, Kattumannarkoil. 7th April 2016.
12. **D.Vennila, “An optimal technique for software defined radio using modem”** International conference on Recent trends in Electronics, Communication and computation Technologies ICRTECCT-2015, Sri Ramanathan Engineering College, Tirupur held on 5th and 6th March 2015.
13. **D.Vennila, “An efficient FPGA based speech recognition system using EMD & GA”** National conference on Recent Innovations in Science and Engineering, Surya Engineering College, Erode, held on 11th March 2014.
14. **D.Vennila, “Enhancement of Imagery in poor visibility conditions”** National Conference on Emerging trends in communication, Dhanalakshmi Srinivasan Engineering College, Perambalur, held on 5th March 2011.
15. **D.Vennila, “A Multiscale Morphological Approach for Local contrast Enhancement”** National Conference on Advances in Science and Technology NCAST-2011, Saveetha University, Chennai , held on 1st March 2011.

SHORT TERM COURSES/ FDP ATTENDED:

1. Attended one week FDP Programme on “Advancement in 5G and beyond: Exploring the Future of Wireless Communication” organized by the department of ECE, SJCT from 09.09.2024 to 13.09.2024.
2. Attended AICTE Recognized Faculty Development Programme on “IOT and Embedded Systems” conducted by ECE Department from 23.09.2024 to 27.09.2024 (One Week) at National Institute of Technical Teachers Training and Research (NITTTR),Chandigarh.
3. Attended Faculty Development Programme on “Sensor and Instrumentation” conducted by this institute from 16.12.2024 to 20.12.2024(National Learning Hours: 20) through online mode at National Institute of Technical Teachers Training and Research (NITTTR),Chennai.
4. Attended 10 hour of FDP on “ Stress Management (Online Live FDP)”organized by ICT Academy from 08.07.2024 to 12.07.2024.
5. Attended Faculty Development Programme on “Seminar on AI for Teaching and

Learning” organized by the internal quality assurance cell(IQAC) , Dr.M.G.R.Educational and Research Institute on 26.12.2024.(NC)

6. Attended six days FDP on “Merging AI and IoT for Smarter Systems ” organized by St.Joseph’s College Engineering and Technology, from 21.04.2025 to 26.04.2025.
7. Attended FDP on "Outcome Based Education (Use of AI Tools in Teaching and Learning" organized by Academic Staff College, Dr.M.G.R Educational and Research institute, Chennai. Duration (22.04.2024 to 26.04.2024)
8. Attended one week short term Training program on "Developing research culture in education institutes as per recent trends in industry" organized by Trinity College of Engineering & Research, Pune. Duration (18.12.2023 to 22.12.2023).
9. Attended two days FDP on "Challenges, innovation and opportunities in current scenario" organized by The Internal Quality Assurance Cell (IQAC), Kings College of Engineering, Punalkulam. Duration (21.12.2023 & 22.12.2023)
10. Attended FDP on "BER Performance of OFDM With Differential Index Modulation for Visible Light Communication" organized by St. Joseph's College of Engineering and Technology, Thanjavur. Duration (25.04.2023 to 27.04.2023)
11. Attended Online FDP on "Innovation in Mentoring Pedagogy and Incorporation of ICT techniques in Education" organized by Department of ECE in Association with Institution of Electronics and Telecommunication Engineers (IETE), Paavai Engineering College, Pachal, Namakkal. Duration (30.01.2023 to 04.02.2023)
12. Attended FDP on "Application of Graph Theory and Artificial Intelligence in Distributor feeder Management" organized by the Department of EEE, QIS College of Engineering and Technology (Autonomous), Ongole, Andhra Pradesh. Duration (28.11.2022 to 02.12.2022)
13. Attended FDP on "Education 5.0" organized by Dr.M.G.R Educational and Research Institute Deemed to be University, Chennai. Duration (13.10.2022 to 15.10.2022)
14. Attended Five Days FDP on "Microsoft Power BI Data Analyst Associate" organized by ICT Academy, Kings College of Engineering, Punalkulam. Duration (01.08.2022 to 05.08.2022)
15. Attended One week AICTE ATAL FDP on “Nano Electronics and RF Engineering” **Organized by** SRM Institute of Management and Technology from 06.09.2021 to 10.09.2021
16. One week AICTE ,ATAL FDP on “Robotics: Advances and Applications” **Organized by** Maharaja Agrasen Institute of Technology **from** 23.08.2021 **to** 27.08.2021.
17. One week AICTE ATAL FDP on “Energy Engineering” **Organized by** Gandhi institute for education and Technology, Baniatangi from 09.11.2020 to 13.11.2020
18. One week AICTE ATAL FDP on “Augmented Reality (AR)/ Virtual Reality (VR)” **Organized by** Chaitanya Bharathi Institute of Technology from 26.10.2020 to 30.10.2020.

- 19.** FDP on “Recent Technology 2020” organized by SRM Institute of Science and Technology, Kattangulathur from 15-05-2020 to 17-05-2020.
- 20.** FDP on “Future Trends in Electronics” organized by Dr. N.G.P Institute of Technology from 02-05-2020 to 04-05-2020
- 21.** Attended three days Faculty Development Program on “Applications of Power Electronics for Renewable Energy and Power Systems” organized by Rajalakshmi Engineering College, Chennai. from 23.06.2020 to 25-06-2020
- 22.** Attended One Week National Workshop on “Perspectives of Teaching and Learning of Engineering Sciences for Outcome Based Education” organized by National Institute of Technology, Tiruchirapalli. from 15-06-2020 to 20-06-2020.
- 23.** Attended five days Workshop on “ Deep Learning ” organized by Kongu Engineering College, Erode. from 08.06.2020 to 12-06-2020.
- 24.** Attended STTP through ICT mode on “Indian Electricity Rule and code of Practices”organized by NITTTR, Kolkata. from 16.12.2019 to 20.12.2019.
- 25.** Attended AICTE recognized FDP on “5G Communication” organized by NITTTR, Chandigarh from 18.11.2019 to 22.11.2019.
- 26.** Attended STTP through ICT mode on “Water Pollution and Health” organized by NITTTR, Kolkata from 21.10.2019 to 25.10.2019.
- 27.** Attended AICTE recognized FDP on “Embedded system and IoTs” organized by NITTTR, Chandigarh from 23.09.2019 to 27.09.2019.
- 28.** Attended STTP through ICT mode on “ NBA Accreditation ”organized by NITTTR, Kolkata from 22.04.2019 to 26. 04.2019.
- 29.** Attended seminar on “ Technology Enabled Teaching Learning Strategies towards Quality Enhancement in Higher Education” organized by Periyar Maniammai Institute of science & Technology. Partnership with NAAC. From 11.04.2019 to 12.04.2019
- 30.** Attended NAAC sponsored two day workshop on “ Benchmarking the best practices in Teaching and Learning in Higher Education” organized by Bishop Heber College, Tiruchirapalli from 14.02.2019 to 15.02.2019
- 31.** Attended STTP through ICT mode on “Development of Laboratory Instruction and Manual” organized by NITTTR, Kolkata From 04.02.2019 to 08.02.2019.

SHORT TERM COURSES / SEMINARS /FDP/WORKSHOP/CONFERENCE**ORGANIZED:**

1. Organized 3 days workshop on “ CCTV Installation and Servicing” from 13.10.2022 to 15.10.2022.
2. Organized 3 days winter crash course on “C and C++ programming for placement” from 11.01.2023 to 13.01.2023.
3. Organized two day FDP on “Integrating PCE Activity in Class room teaching” from 16.02.2022 to 17.02.2022
4. Organized Technical Symposium “eBlast-2k21” on 24.09.2021- Coordinator
5. Organized One day Seminar on “Skill sets for Electronics Engineers in Core Field” on 24.12.2021
6. Organized a Webinar in the title of “Agile Methodology” on 01.06.2020
7. Organized a Webinar on “overview of machine learning, deep learning and natural language processing using python” on 27.05.2020
8. Organized three days Webinar for Engineering and Polytechnic Students on “Embedded and Real Time Systems Using Arduino” at Kings College of Engineering, from (08-06-2020 to 10-06-2020)
9. Organized 1 day workshop on “Advancement in Mobile Apps” organized by ISYSWAY Technologies on 23-09-2017
10. National Level Conference on Emerging Trends in Communication and VLSI Design 11-03-2015.

ONLINE COURSES ATTENDED

Sl.No	Course title	University	Duration
1.	Digital Electronic Circuits	NPTEL	24.01.2022 to 15.04.2022
2.	Microprocessors and Interfacing	NPTEL	24.01.2022 to 15.04.2022
3.	Embedded Systems Design	NPTEL	24.01.2022 to 15.04.2022
4.	Curriculum pedagogy and Evaluation for Higher Education	Central University of Kerala, Kasaragod	01.12.2020 to 30.04.2021
5.	Skills for new educational Architecture	UGC-HRDC, Sant Gadge Baba Amravati University	01.12.2020 to 31.03.2021
6.	Awareness Program on solar water pumping system	IGNOU	15 .02. 2021 to 12.03.2021

7.	Smart Materials and Intelligent System Design	NPTEL	15.02.2021 to 12.03.2021
8.	Electronic waste management Issues and Challenges	NPTEL	18.01.2021 to 12.02.2021
9.	Fundamentals of Electronic Device fabrication	NPTEL	14.09.2020 to 09.10.2020
10.	Nanotechnology in Agriculture	NPTEL	14.09.2020 to 06.11.2020
11.	Digital Image processing	NPTEL	04.09.2020 to 04.12.2020
12.	A brief introduction of Micro sensors	NPTEL	27.01.2020 to 21.02.2020
13.	CMOS digital VLSI Design	NPTEL	27.01.2020 to 20.03.2020
14.	Pedagogical Innovations and Research Methodology	ARPIT	01.10.2019 to 31.01.2020
15.	Big Data Analytics using Smart Grid	ARPIT	01.10.2019 to 31.11.2019

INTERPERSONAL SKILLS:

- Self-Motivated
- Interact well with Team and Management.
- Ability to coordinate and encourage high performing atmosphere among student community and co-staff members.
- Strong Learning and Grasping ability.
- Possesses good Communication Skill.

SUBJECTS HANDLED:

- Networks and Security
- Digital Systems Design
- Mechatronics
- Linear Integrated Circuits
- Electronic Devices and Circuits
- Medical Electronics
- Electronic Circuits-I
- Electronic Circuits-II
- Communication Theory
- Digital Electronics
- Digital Image Processing
- 4G/5G Communication Networks
- Microprocessor and Microcontroller
- Electric circuits and Electron Devices
- Mobile Ad hoc Networks
- Television and Video Engineering
- VLSI Signal Processing
- Wireless Networks
- Digital Principles and system design
- Low power VLSI Design
- Computer Networks
- Digital Logic Circuits
- Radar and Navigational Aids
- Basic Electrical & Electronics Engg.