

KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name : Dr.A.Herald	
Designation:	Assistant Professor
Qualification:	M.E.,Ph.D
Area of Specialization:	VLSI Design
Experience:	Teaching: 15 Years
Publication:	Journal National:-NIL International:01
	Conference National: 05 International:05

JOURNAL PUBLICATIONS

1. Herald, A & Vennila, C 2022, “**Errorless Underwater Channel Selection Scheme Using Forward Error Rectification and Modulation, Intelligent Automation & Soft Computing**” Vol.34, No.2, pp. 733-752, 2022, DOI:10.32604/iasc.2022.025073.

INTERNATIONAL CONFERENCE

1. Herald A, “**Intelligent IoT System for Arrhythmia and Pneumonia Detection Using AI**”, International Conference on Sustainable Technologies in Engineering and Science (ICSTES-2025), Organized by Kings College of Engineering college,Punalkulam.
2. Herald A, “**Design and Implementation Of IoT Based Non-Invasive Blood Pressure Monitoring**”, International Conference on Recent Trends in Engineering and Science (ICRTES-2024), Organized by Kings College of Engineering college,Punalkulam.

3. Herald A, **Design and analysis of antenna for underwater communication**, International Conference on Empowering Engineering and Technology (ICEET-2020), Organized by Parisutham Institute of Technology and Science, Thanjavur.
4. Herald A, **Wireless Optical Communication System Using Media Converter for Ethernet Applications**, International conference on Engineering, Energy & Environment (ICEEE-2017), Organized by TRP Engineering college, Tiruchirappalli.
5. Herald A, Vennila C, **Comparison of Modulation Techniques for Underwater Optical Wireless Communication at Mallipattinam**, Tamil Nadu, International Conference on Emerging Trends in Engineering, Technology and Science (ICETETS-2016), Organized by Kings College of Engineering, Punalkulam, pp. 520-524.

NATIONAL CONFERENCE

1. Herald A, **“Non invasive continuous blood pressure measurement based On Wearable Radar Sensor With Preliminary Clinical Validation ”**, National Conference on Envision on 5G in AI, IOT & Cloud Computing Applications (Conf Call 2024), Parisutham Institute of Science and Technology, Thanjavur.
2. Presented a Paper Titled by **“A Study On Laser Based Under Water Wireless Optical Communication”** on Innovation in Embedded Systems and Networking (NCIEN-2018), Kings College of Engineering, Pudukkottai on 21st March 2018.
3. Presented a Paper Titled by **“Analysis of Different Modulation Schemes Suitable for Audio Transmission Using UWOC”** on Recent Advancements in Technologies (RAT-2017), MOTHER TERASA College of Engineering & Technology, Pudukkottai on 10th March 2017.
4. Presented a Paper Titled by **“Multi-Scale image resolution for adaptive architecture of FPGA implementation”** on recent trends in **Information and Communication Engineering** (NCRTICE-2013), TamilNadu Institute of Engineering, Coimbatore on 20th March 2013.
5. Presented a Paper Titled by **“Implementation of Concatenating the Tamil Syllables using FPGA”** on Industrial Technology (NCIT’10), Bannariamman Institute of Technology, Sathyamangalam on 5th to 6th March 2010.

SEMINARS AND WORKSHOP ATTENDED

1. Attended the FDP on **“8-day Face-to-Face UHV-II FDP”**, organized by All India Council for Technical Education (AICTE) at PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL from 26th July to 2nd August 2024.
2. Participated in the pre-conference workshop on **“Underwater Acoustics, Transducers, Modelling, Signal Processing and Communication”** at ICONS 2018 organised by Naval Physical & Oceanographic Laboratory, Kochi on 22 February 2018.
3. Attended the Seminar on **“Art of Writing a paper”**, IEEE Student Branch & R&D Section, Kings College of Engineering, Punalkulam on 29th January 2018.

4. Participated in a One day National workshop on **“MATHEMATICAL MODELING AND COMPUTATIONAL TECHNIQUES”** Department of Mathematics, National Institute Technology , Puducherry on 1^{5th} July 2017.
5. Participated in a One day National workshop on **“Teaching & Learning with ICT”** Department of Humanities, PSG College of Technology, Coimbatore on 22nd April 2017.
6. Participated in a One day National workshop on **“BALLAST WATER MANAGEMENT (NWBM 2016)”** National Institute of Ocean Technology (NIOT), Ministry of Earth Sciences, Government of India, Chennai on 7th October 2016.
7. Attended the Seminar on **“Art of Writing a paper”**, IEEE Student Branch & R&D Section, Kings College of Engineering, Punalkulam on 30th January 2015.
8. Attended the One day workshop on **“Calibration of Electro Technical Instruments”**, SAKTHI POWER SOLUTIONS PVT.LTD, Coimbatore on 30th March 2016.
9. Participated in a One day workshop on **“Artificial Intelligence and Expert Systems”** Department of Electronics and Communication Engineering, Kings College of Engineering, Punalkulam on 4th September 2014.
10. Participated in a two day foundation course on **“FPGA DESIGN and VHDL PROGRAMMING”** Department of Electronics and Communication Engineering, Kings College of Engineering, Punalkulam on 7&8th March 2014.
11. Attended the FDP on **“Advanced VLSI Design”**, SSN College of Engineering, Kalavakkam, 17th to 19th November 2011.
12. Participated in a three day course on **“Advanced Refresher Program for VLSI Faculty with hands on training on Analog-Mixed Signal and Digital Design Using Cadence Tools”**, Pandian Saraswathi yadav Engineering College , Madurai, 11th to 13th November 2010.

PROGRAMME ORGANIZED

1. Organized a event **“National Level Workshop On Antenna Design For Innovation”** from 28/05/2025 to 30/05/2025 at Kings College of Engineering, Pudukkottai, TamilNadu.
2. Organized the **“International Conference on Sustainable Technologies in Engineering and Science (ICSTES-2025)”**, Kings college of Engineering, Punalkulam on 8th and 9th May 2025.
3. Organized a event **“National Level Technical Symposium e-BLAST2k23”** on September, 2023 at Kings College of Engineering, Pudukkottai, TamilNadu.
4. Organized the **“International Conference on Recent Trends in Engineering and Science (ICRTES-2024)”**, Kings college of Engineering, Punalkulam on 2nd and 3rd May 2024.
5. Organized the National Conference on **“Emerging trends in Electronics and Communication Engineering”**, Kings college of Engineering, Punalkulam on 16th March 2019.
6. Organized the Workshop on **“Internet of Things using Arduino & Raspberry Pi”**, Kings college of Engineering, Punalkulam on 20th March 2018.
7. Organized the Workshop on **“One day project Level Training on Electronic System Design for Polytechnic Students**, Kings college of Engineering, Punalkulam on 28th February 2018.

8. Organized the Workshop on “**Research Methodology and Statistical Tools**”, Kings college of Engineering,Punalkulam on 25th February 2017.
9. Organized the Project Expo on “**CCEEM2K17 TECH EXPO**”,Kings College of Engineering,Punalkulam on 31st March 2017.
10. Organized the Mini Project Expo on “**Techking12**”, Department of ECE,Kings college of Engineering,Punalkulam on 31st March 2012.

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:

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| ➤ Embedded Systems and IoT Design | ➤ Microprocessor and Microcontroller |
| ➤ Digital Systems Design | ➤ Analog IC Design |
| ➤ Mechatronics and IoT | ➤ Low power VLSI Design |
| ➤ Linear Integrated Circuits | ➤ Computer Networks |
| ➤ Electronic Devices and Circuits | ➤ Digital Logic Circuits |
| ➤ Communication Theory | ➤ Basic Electrical & Instrumentation Engg. |
| ➤ Digital Electronics | ➤ Optical Communications and Networks |
| ➤ Transmission Lines and Waveguides | ➤ Signals and Systems |
| ➤ Digital Communication | ➤ Communication Systems |