

Name	KARTHIK.S			
Department	EEE			
Qualification	M.E.			
Area of Specialization	Embedded System Technologies			
Date of Joining (KSR IET)	04.07.2022			
Experience (ason	Teaching: 6.9	Industry: 00	Research: 2.9	
Number of Papers Published	National Journals : 01		International Journals 02	
Number of Papers Presented	National Conferences : 03		International Conferences : 05	
Books Published	National Publisher : 00		International publisher :00	
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Publications (International Journals)

1. Published a Research paper entitled as “***Review Paper Renovation of Wastewater to Utilizable Energy***” International Journal for Scientific Research & Development | Vol. 6, Issue 02, 2018.
2. Published a Research paper entitled as “***Border Alert System using Smart Boat to Safeguard the Fisherman***” (UGC Approved Journal Impact Factor: 4.312) International Journal on Future Revolution in Computer Science & Communication Engineering Volume 4, Issue 4, April 2018.

Publications (National Journals)

1. Published a Research paper entitled as “***Address Resource Location Privacy in Wireless Sensor Networks***” in Transactions on Engineering and Sciences Vol.2, Issue 12, December 2014

Publications (International Conferences)

1. Presented a paper entitled, "**Design of Anti-Stuttering Device with Silence Ejection Speech algorithm using Arduino**", 3rd International Conference on Inventive Research in Computing Applications ICIRCA 2021, organized by RVS College of Engineering and Technology, Coimbatore
2. Presented a paper entitled "**IoT Based Safety Enhanced Swimming Pool with Embedded Techniques to reduce drowning accidents**," 2020 International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2020, pp. 843-847, DOI: 10.1109/ICOSEC49089.2020.9215247.
3. Presented a paper entitled, "**A Novel Smart Sanitation Module for Green Environment**," 2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Palladam, India, 2020, pp. 544-548, DOI: 10.1109/I-SMAC49090.2020.9243583.
4. Presented a paper entitled "**Smart Sanitation**" in the National conference on Recent Trends in Electronics and communication held on 22nd March 2018 at Jayalakshmi Institute of Technology.
5. Presented the paper entitled as "**Analysis of Enhanced Switching Agent for Zigbee Wireless Sensor Network**" in the international conference on Intelligent Engineering Systems held on April 4th 2014 at EASA College of Engineering And Technology.

Publications (National Conferences)

1. Presented a paper entitled "**Embedded system based Smart Safety Swimming pool**" in the National conference on Recent Trends in Electronics and communication held on 22nd March 2018 at Jayalakshmi Institute of Technology
2. Presented a paper on the topic "**Efficient Zigbee Based WSN Using Enhanced Switching Agent with Location Aided Routing**" in the 4th National Conference on "Recent Advancements and Challenges in Electrical Sciences" held at IRTT Erode.
3. Presented the paper entitled as "**Efficient Zigbee Based WSN Using Enhanced Switching Agent with Location Aided Routing**" in the National Conference on Recent trends in Engineering and Technology held at KSRIET, Tiruchengode.

Books /Instruction materials/monographs published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	-	-	-	-

Funded Research Projects

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	Embedded system based smart safety swimming pool	Tamil Nādu Science and Technology (TNSCST) - Chennai	Rs 3500/-	Project Mentor
2.	Smart Sanitation	India Innovation Challenge Design Contest 2017	One project team received 200 \$ worth TI components	Project Mentor

Workshop/Value Added Course /Guest lecture offered

1. Acted as a Resource person in a one-day workshop on Electric and Autonomous Vehicle Technologies for engineering students held on **07.02.2018** at **Kumaraguru College of Technology, Coimbatore**.
2. Conducted a Non formal Three Days **value added courses** on **Embedded System Design** using Arduino Environment for second- and third-year students in the academic year 2017-18 held on 16th October 2016 at KSRIET.
3. Acted as a Resource person in a one day workshop on **Project based Learning in Arduino Uno and sensor application** for first year students in the academic year 2017-18 held on 09&10,11 August 2017 at KSRIET Tiruchengode.
4. **Acted as a Resource person** in valued added (Non formal) course on **Industrial Exposure in Embedded Environment (IEEE)** for the third year students in the academic year 2015-16.
5. Non formal course on “**Programming Msp430 with Energia**” for the third year ECE students in the year 2016

Conference/Workshop/Value Added Course Organized

1. **Acted as a Co-ordinator** for International Conference on Recent Trends in Engineering & Technology (ICRTET 2K17)
2. **Organized** Two days workshop on “**Numerical tool for Antenna design**” for UG & PG students in the academic year 2015-16.
3. **Organized** one day workshop on **Project Based Learning “Arduino, TI Launch Pad”** for UG Students held on February 18th 2017 at KSRIET, Tiruchengode.

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Date		Topic / Title	Funding agency and Amount Sanctioned
	From	To		
1.	-	-	-	-

Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.	-	-