




K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr. Ramya K R	
Designation	Associate Professor	
Educational Qualification	M.Tech , Ph. D	
Experience in Years	15 years	
Areas of Interest	Renewable Energy Systems, Control Systems , Energy Storage	
E-mail	ramyakr@ksit.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
Ph.D.	Sapthagiri College of Engineering Bangalore / VTU	2025
M.Tech	Dayanand Sagar College of Engineering Bangalore / VTU	2011
UG	KVG College of Engineering Sullia / VTU	2004

Publications

Journal Publications:

Ramya K R, G Raghavendra “ An Algorithm for Power Sharing in a Standalone DC Microgrid Cluster with Centralized Storage” , International Journal of Computational and Experimental Science and Engineering (IJCESN) Vol.11-No.3, pp. 4661-4668, 2025. **Scopus Indexed Q3 Journal**

Ramya K R, G Raghavendra “A Strategy for Managing Energy in Standalone DC microgrid with PV and Dual Battery System” International Journal of Intelligent Systems and Applications in Engineering (IJISAE), Volume 11(10s), 523–528,2023. **Scopus Indexed Q3 Journal.**

Preetham G H, Nithin D, Pavan Kumar G R, Praveen Kumar N, **Ramya K R** “Fire Fighting Robot” International Advanced Research Journal in Science, Engineering and Technology, Vol.10, Issue 4, April 2023. DOI: 10.17148 / IARJSET.2023.10449

Ramya K R, Raghavendra G “A Survey on Control Strategies of DC Microgrid Cluster” GRADIVA Review Journal (GRJ), Vol.9, Issue 1, pp. 1107-1111, January 2023. DOI: 10.37897.GRJ.2022.V8I12.22.50728.

Ramya K R, Dishanth K Rajpurohit, Sagar D B, Sree Harsha N K, Vanitha B “Smart Air Purifier using HVDC”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE) ISSN(O): 2321-2004, ISSN(P):2321-5526,

Vol 9, Issue 8, August 2021

Ramya K R, Naganand B N “Design and Implementation of Automation in Electro-Plating Plant using PLC & SCADA” International Journal of Engineering Science Invention (IJESI) in Vol.8 Issue 06, series II pp-11-17, June 2019.

Gouthami C, Santhosh C, Pavan K, **Ramya K R** “Design and Development of Automatic Street Light Control System using Light Dependent Resistor” International Journal of Engineering Trends and Technology (IJETT) in Vol.35 Issue 10, 2016.

Conference Papers: 2

Awards

- 1) Project fund Rs.4500 received from KSCST for student project titled “Intelligent Traffic Rules Violation Detector” in the academic year 2024-25.
- 2) Project fund of Rs.4000 received from KSCST for the student project titled “Fire Fighting Robot” in the academic year 2022-23.
- 3) Project fund of Rs.5000 received from VTU for the student project titled “Design and Development of Smart Air Purifier using HVDC” in the academic year 2019-20.
- 4) Project fund of Rs.6000 received from KSCST for the student project titled “Design and Implementation of Automation in Electro-Plating Plant using PLC SCADA” and selected for state level exhibition in the academic year 2017-18.

Professional Membership

Life Member of ISTE-LM94794

Life Member of AMIEE - AMI/25/1034

Contact Details

Name: Dr. Ramya K R

Official Address: Department of Electronics and Communication Engineering, K.S. Institute of Technology, #14, Raghuvanahalli, kanakapura mian road, Bangalore-560109