




**Kammavari Sangham (R) 1952, K. S. Group of Institutions**  
**K. S. SCHOOL OF ENGINEERING & MANAGEMENT**

No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109  
 Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, **Accredited by NAAC**

Faculty Name	Dr. K. SENTHIL BABU	
Designation	Professor	
Educational Qualification	BE,M-Tech., Ph.D	
Experience in Years	Teaching: 20years Industry: 2.6 years	
Areas of Interest	Sensors and its Applications	
Subjects Taught	Digital Signal Processing Control Systems Signals and systems High Performance communication Network Computer Communication Network Network Analysis Analog Communication Digital Communication Digital Switching System Fiber optics and Networks Optical Fiber Communication Optical Networking Basic Electrical Engineering Operation Research and Management	
E-mail ID	senthilbabuk@kssem.edu.in	

**EDUCATIONAL DETAILS:-**

Examination / Degree	College/University	Year of Passing
BE	Adhiyamaan College of Engineering, Madras University	2001
M. Tech	Sir. M.Visveshwaraya Institute of Technology, VTU	2005
PH.D	Sri Krishnadevaraya University	2020

**Awards and Achievements:-**

Granted a **Patent** on 2024 from the Government of India –Patent office for an invention “**Knee Rehabilitation using Arduino**”

**Book Published : Wireless Sensors Technologies –by SIPH 2025**

**Received Best Project of the year award in KSCST-SPP 40 series**

**Received Best Project of the year award in KSCST-SPP 42 series**

## **PUBLICATIONS:-**

**ORCID ID:**

### **Journal Publications:**

- Published a paper on **Calibration and Characterization of MQ Sensors for E-Nose Application** in Foundry Journal [ISSN:1001-4977] Volume 27 Issue 4
- Published a paper on **Smart Hydroponics** in Foundry Journal [ISSN:1001-4977] Volume 27 Issue 4
- Published a paper on **Embedded Based Vehicle Theft Detection** in International Journal of Current Engineering and Scientific Research (IJCESR) ISSN (Print): 2393-8374, (Online): 2394-0697, Volume-10, Issue-8, 2023
- Published a paper on **Design and Implementation of Protective Headgear to Reduce Human Casualties** ISSN: 2583-7346 DOI:, September 2023, Volume-1, Issue-6, pp.1-11 International Journal of Advances in Engineering Architecture Science and Technology
- Published a paper on **Fruits and Vegetable Classification using progressive resizing and transfer learning** , Volume-23, Issue-2, 2021 in Journal of University of Shanghai for Science and Technology (JUSST) ISSN: 1007-6735
- Published a paper on **Calibration of MQ-7 and Detection of Hazardous Carbon Monoxide Concentration in Test Canister** in the International Journal of Advanced Research, Ideas and Innovations in Technology in 2018
- Published a paper on **Hazardous gas detection and alarming system (HGDAS) to prevent human casualties** in International Journal of Recent Scientific Research Research Vol. 9, Issue, 1(D), pp. 23154-23156, January, 2018
- Published a paper on **Energy Model for the Configured MSP430F1612 on a TELOSB Mote with the Help of Contiki** at V. Sridhar et al. (eds.), Emerging Research in Electronics, Computer Science and Technology, Lecture Notes in Electrical Engineering 248, DOI: 10.1007/978-81-322-1157-0\_63, **Springer India 2014**
- Presented a Paper on “Porting contiki to customized TELOSB mote” in the international conference Belgaum

**Conference Papers :**

- Presented a Paper on **“Proposed Method to Overcome near far Effect in CDMA technology using Fuzzy Logic”** in a **National Conference - Communication Networks and Security** held at R.V College of Engineering.
- Presented a Paper on **“A method to improve the throughput in Wireless Networks”** in a **National Conference** held at R.V College of Engineering.
- Presented a Paper on **Energy Model for the Configured MSP430F1612 on a TELOSB Mote with the Help of Contiki**
- Presented a Paper on **Porting contiki to customized TELOSB mote**

## Professional Membership

**1. Member of The Institution of Engineers (IEI)**

(Membership No: M-1584310)

**2. IEEE Member**

## CONTACT DETAILS:-

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