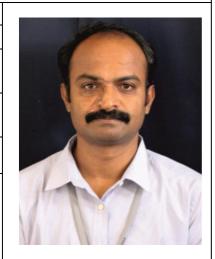


# Kammavari Sangham (R) 1952, K. S. Group of Institutions K. S. SCHOOL OF ENGINEERING & MANAGEMENT

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<br>Qualification | BE,M-Tech., Ph.D   |  |  |
| Experience in Years          | Teaching: 20years<br>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  |  |  |



| <b>EDUCATIONAL DETAILS:</b> |                                   |                 |
|-----------------------------|-----------------------------------|-----------------|
| Examination / Degree        | College/University                | Year of Passing |
| BE                          | Adhiyamaan College                | 2001            |
|                             | of Engineering,                   |                 |
|                             | Madras University                 |                 |
| M. Tech                     | Sir. M.Visveshwaraya Institute of | 2005            |
|                             | Technology, VTU                   |                 |
| 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 Monooxide 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:-**

Name: Dr. K Senthil Babu

Official address: No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109

Personal Mail id: senthilbabuk@kssem.edu.in

**Contact Number:9886471877**