

# PROFILE

Name	SHYAM SUNDAR V
Position & Affiliation	Assistant Professor, Department of CSE
Areas of Interest	VLSI, SIGNAL PROCESSING
Email	shyamsundar.ece@cambridge.edu.in
LinkedIn ID	<a href="https://www.linkedin.com/in/shyam-sundar-589b4b10b?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3Bh">https://www.linkedin.com/in/shyam-sundar-589b4b10b?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3Bh</a>
Google Scholar ID	<a href="https://scholar.google.com/citations?user=ISYU98sAAAAJ&amp;hl=en&amp;authuser=2">https://scholar.google.com/citations?user=ISYU98sAAAAJ&amp;hl=en&amp;authuser=2</a>
Orchid ID	-----
Vidwan ID	<a href="https://vidwan.inflibnet.ac.in/profile/566191">https://vidwan.inflibnet.ac.in/profile/566191</a>
Scopus ID	---
Professional Webpage (if any)	---

## **Educational Qualifications:**

Ph.D	VTU	India	pursuing
MTech	VTU	India	2012
BE	VTU	India	2007

## **Areas of Research:**

VLSI, Signal Processing

## **Brief Profile: (write about yourself)**

Completed M.Tech and pursuing PhD in multi pipelined RISC V architecture with ML Algorithm. Has over fifteen years of Academics. The areas of interest are RISC V steel, VLSI and Signal processing. Worked as a Lecturer in M S Engineering College ,Atria Institute of Technology and presently working as a assistant professor in the department of Electronics and communication engineering in association with CiTech from July 2014 onwards.

## **Awards/Achievements/Others:**

1. Winner of AICTE FIT INDIA challenge 2021 By AICTE and Government of India
2. Sate level Yoga Champion at the age of 14( Aug- 2000).

GATE 2020 and 2022 Qualified.

**Courses Taught:**

Signals and System, Logic Design, Analog Electronics circuits, Digital signal processing, Microcontroller, DSP Algorithm and Architecture, Linear Integrated Circuits, Basic Signal Processing, Adaptive signal processing, Statistical Signal Processing, Data structures and Algorithms using C and C++, OOP's, Principles of Communication System.

**Publications/Patents:**

Publications	<ol style="list-style-type: none"><li>1. "Grid Based Path Planning in Dynamic Environment" in National Conference on Evolutionary Systems for Signal Processing and Communication (ESSC) 2012, PESIT Bangalore.</li><li>2. "Real Time Audio/Sound and OTP based authentication system" in National Conference on Recent Trends and Innovations in Mechanical Engineering and Technology-(IJMTE) ISSN 2249-7455, dept. of ME, CITECH, on 3<sup>rd</sup> and 4<sup>th</sup> May 2019.</li><li>3. ACCIDENT DETECTION AND ALERT SYSTEM in National Conference report on Recent Trends in Engineering and Technology 2022.17<sup>th</sup> June 2022.</li><li>4. "A SURVEY ON SQM FOR SAT-NAV SYSTEMS" Vol.3 Issue 3 May-June 2015 Edition IJERGS for publication.</li><li>5. "Smart Laser Fencing security Security system" in the NCETE-2021, CITECH Bangalore 8<sup>th</sup> and 9<sup>th</sup> July 2021.</li><li>6. "ACCIDENT DETECTION AND ALERT SYSTEM" in the NCETM-2022, CITECH Bangalore 27/04/2023 to 24/04/2023</li><li>7. "HAND GESTURE RECOGNITION-CONTROLLED GAMING" in the NCETM-2022, CITECH Bangalore 27/04/2023 to 24/04/2023.</li><li>8. Shyam Sundar V, Ashwit, Sumera N, Chaitra S V, "A Review of Anesthesia machine control using raspberry Pi", in Internation Journal of Research publication and Reviews, ISSN 2582-7421, Vol 5, no 3, pp 5260-5263 March 2024</li><li>9. Shyam Sundar V, Gangadasu Swetha, Darshan M R, Chandan K Singh, Chandana H C, "SELF-NAVIGATION ROBOTICS: MASTERING AUTONOMOUS PATH", www.ijcrt.org © 2024 IJCRT   Volume 12, Issue 5 May 2024   ISSN: 2320-2882</li><li>10. Shyam Sundar V, Sumeera Sultana N, Ashwit, Tanzil Ahmed, Chaitra S V, "ANAESTHESIA BASED MACHINE CONTROL USING RASPBERRY PI", www.ijcrt.org © 2024 IJCRT   Volume 12, Issue 5 May 2024   ISSN: 2320-2882</li></ol>
Patents	<ol style="list-style-type: none"><li>1. ACCIDENT DETECTION AND ALERT SYSTEM, Intellectual Property of India, Published on 06/01/2023 application No: 202241075400.</li><li>2. HAND GESTURE RECOGNITION-CONTROLLED GAMING, Intellectual</li></ol>

	Property of India, Published on 30/12/2022 application No: 202241075403.
Book/Book Chapters	NIL
<b>Research and Consultancy:</b> Pursuing PhD in RISC-V, VLSI and Machine Learning	