

## FACULTY PROFILE

Name of the faculty	SHOBHA HUGAR
Designation	ASST PROF
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## Educational Qualification

Degree	Specialization	University	Year of Passing
PhD	RF Circuits	VTU	Pursuing
M.Tech	VLSI Design & Embedded System	VTU	2008
BE	Electronics & Communication	Karnataka University, Dharwad	2000

## Work Experience

Teaching	Research	Industry
17	-----	-----

## Publications

National/International Journals	National/International Conferences	Books Authored/Edited
05	03	-----

## Area of Interest

MICROWAVE & RF CIRCUITS	
VLSI DESIGN	
CMOS RF CIRCUIT DESIGN	

# Membership in Professional Bodies/University Bodies/Organization

Funded Project	
Patent	

## Publications

### National/International Journals

1) **Shobha Hugar, Vaishali B M and J S Baligar**, “Sharp Skirt Dual-Mode Bandpass Filter with Overlay Plate to Control Upper Passband Edge” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019.

2) **Shobha Hugar, Vaishali B M and J S Baligar**, “Review on Performance Analysis of UWB Bandpass Microstrip Filters” International Journal for Innovative Research in Science & Technology (IJIRST) Volume 4, Issue 2 , July 2017 ISSN (online): 2349-6010.

3) **C Pallavi, Shobha Hugar**, “Implementation of High Throughput and Reduced Complexity LDPC Decoder using Message Passing Algorithm” International Journal of science and Technology, 2015.

4) **Jamuna H G, Shobha Hugar**, “Smart Grid Embedded in an Internet of Things” International journal of Engineering and Techniques, Vol.2, Issue.3, 2016.

5) **Veranamia, Shobha H**, “ECG Acquisition system with Lower DC offset: An Architectural

### National /International Conferences

1) **Shobha Hugar, Vaishali B M and J S Baligar**, Dual Mode Wide Band Microstrip Bandpass Filter With Tunable Bandwidth And Controlled Center Frequency For C Band Applications Proceedings of 5<sup>th</sup> International Conference on “Emerging Research in Computing, Information, Communication and Applications” (ERCICA-18), Springer, ISBN IS : 978-981-13-6001-5, 2018.

2) **Shobha Hugar, Vaishali B M and J S Baligar**, “Dual Band Microstrip BPF with Controlled Wide and Narrow Pass Bands” IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT-19), IIT Kanpur, DOI: [10.1109/ICCCNT45670.2019.8944399](https://doi.org/10.1109/ICCCNT45670.2019.8944399)

3) **Shobha Hugar, Vaishali B M and J S Baligar**, “Novel Approach For Center Frequency And Bandwidth Tuning In Multimode Resonator Based Microstrip Dual-Mode Bandpass Filter” Elsevier Third International Conference on Computing and Network Communications (CoCoNet'19), 2019.

**Model**, International journal of Electricals, Electronics and Computer Systems 2017. ISSN 2347-2820.

## Faculty Development Programme Participated

- 1) Three Days Faculty Development Program on Research Methodology organized by Karnataka Science and Technology Academy (KSTA), Bangalore, from 10-12 July 2018.
- 2) One day Faculty Development Program at Sapthagiri College of Engineering on 22 Jan 2015.
- 3) One day FDP on VLSI LAB at SJB Institute of Technology, Bangalore on 3 July 2009.
- 4) Five days FDP on Professional Induction Programme at Sapthagiri college of Engineering from 29-2 Feb 2008.
- 5) Three days faculty development programme on RF Measurements by Agilent Technologies at East –West Institute of Technology from 10-12 Aug 2005.

## Awards/Recognition/Achievement/Others

- 1) Participated in poster presentation on **RF Devices using Meta materials** at 3<sup>rd</sup> International Conference, on Computing and Network Communications (CoCoNet'19), 2019.