CURRICULUM VITAE

Name:	Mrs. Sunita S. Malaj	
Designation:	Assistant Professor	
Department:	Electronics and Communication Engineering	
Specialization & Research Interests:	E & TC	
Email IDs (Official & Personal)	ssmalaj.ece@hsit.ac.in	
Mobile No.:	8073529095	
Address:	D block D1,HIT Staff Quarters,Nidasoshi	

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
M.E(E & TC)	2014	Shivaji University,Kolhapur
B.E.	1995	KUD,Dharwad

3.   ANY OTHER QUALIFICATION:

NIL

4.   PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Hirasugar Institute of Technology, Nidasoshi	Asst. Professor	01-02-2016 to till date
Hirasugar Institute of Technology, Nidasoshi	Asst. Professor	16-08-2012 to 27-11-2015
Hirasugar Institute of Technology, Nidasoshi	Sr. Lecturer	01-01-2009 to 16-08-2012
SJPN Polytechnic,Nidasoshi	Lecturer	01-03-1995 to 01-08-2008

5.   ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
ICC Chairman	01/10/2021 to till date	--
Hostel Warden	01/09/2021 to till date	Monitoring and Maintenance of hostel

6.   COURSES TAUGHT:

- Network Analysis
- Basic Electronics
- Basic Electronics and Communication
- Introduction to IOT
- Basic Electronics
- Circuits and Controls
- Control Systems
- Real Time Systems
- Technological Innovation Management & Entrepreneurship
- Digital Image Processing

7. RESEARCH SUPERVISION:

A. Ph.D.:

    i. Awarded   : ---

    ii. Submitted   : ---

    iii. Ongoing   : ---

B: M.Tech.

    i. Awarded   : ---

    ii. Submitted   : ---

    iii. Ongoing   : ---

C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):

    i. Awarded   : 20

    ii. Submitted   : --

    iii. Ongoing   : 01

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

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9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

- Life time member of "Indian Society for Technical Education", with Membership ID: LM101083.

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

    1.   Authored:

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    2.   Edited:

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- Sunita.S.Malaj, S.B.Patil, Bhagappa.R.Umarane "VHDL Implementation of Interval Arithmetic Algorithms for Single Precision Floating Point Numbers", in IJSER Journal ,Volume 4, Issue 3 Feb 2013 .
- S.S.Kamate, Akshata Naikar, S.S.Malaj "Design and Implementation of Low power CMOS flash ADC in Cadence Tool" in JAST, Volume XII, Issue XXV, Dec 2016.
- S.S.Malaj, S.S.Kamate "RFID & GSM Based Toll Tax System" in International Journal of Scientific & Research publications, Volume 7,Issue 1,Jan 2017.
- S.S.Malaj,P.V.Patil "Design and Implementation of an on-chip Permutation network for multiprocessor system on chip", in International Journal of Applied Science and Technology Research Excellence, Volume 7,Issue 5,Sep-Oct 2017.
- S.S.Kamate,S.S.Malaj"Design and Implementation of IOT based Electronic Voting Machine" in Journal of Composition Theory, Volume XII, Issue VI, Jun 2019.
- Shivanand.D.Hirekodi, Sunita.S.Malaj, Deepa M Gurav "Design and Implementation of High Power LED Driver for Industrial Lighting" in Journal of Composition Theory, Volume XII, Issue VI, June 2019.
- Sunita.S.Malaj, Shivanand.D.Hirekodi, Sujata.S.Kamate "Robot for War field with Night Vision Wireless Camera by Android Applications" in International Journal of Advanced Research in computer and Communication Engineering, Volume 9,Issue 1,Jan 2020.
- Sunita. S. Malaj, Sujata. S. Kamate "Innovative IOT based gesture recognition and health care monitoring system for elderly and physically Challenged People" in Compliance Engineering Journal ,Volume 12,Issue VIII, Aug 2021.
- sujata Kamate,Sunita Malaj"Robo-kisan-Autonomous solar powered voice controlled Multilingual support over IOT" in International Journal of Advance Research in science and Engineering,Volume 12,Issue no 12,December 2023.

C. PAPERS IN CONFERENCES PROCEEDINGS

1. Savita.I.Makond, Sunita.S.Malaj Presented paper "Perspectives in Anisotropic Diffusion Low Level Vision", in IEECSE-National Conference, 22ndSepteber,2013, Bangalore.

2. S.S.Kamate , Akshata Naikar , S.S.Malaj Presented paper " Design and Implementation of Low Power CMOS Flash ADC in Cadence Tool " in ICRIE-16- International Conference , 8th and 9th October 2016. HIT Nidasoshi.

3. S.S.Kamate , S.S.Malaj Presented Paper " Design and Implementation of IOT based Electronic Voting Machine" in ICRISET-19- International Conference ,18th and 19th July 2019, HIT Nidasoshi.

4. Shivanand D Hirekodi , Sunita.S.Malaj ,Deepa M Gurav " Design and Implementation of High Power LED Driver for Industrial Lighting" in ICRISET-19- International Conference ,18th and 19th July 2019, HIT Nidasoshi.

5. Sunita.S.Malaj , Sujata. S. Kamate Presented paper "Development of Hybrid Power Generation Model using Rain Water, Solar and Wind " in ICEEE-20 -International Conference ,31st October 2020 ,Mangalore.

6. Sunita.S.Malaj , Sujata.S.Kamate Presented paper "Hydroponic Crop Cultivation with Automatic Controlling and Monitoring Through IOT " in ICRET-International Conference, 31st October 2021 ,CPET India.

7. Sunita.S.Malaj , Arun.K.Talawar presented paper " An analysis of Embedded Systems in Embedded Processors" in GJ-INTCONMITE 2022, 29th July 2022,Punjab,India.

8. Sunita.S.Malaj , Sujata.S.Kamate," presented paper"Robokisan-Autonomous solar powered voice controlled Multilingual support over IOT" in International conference on Recent Trends in Engineering and Technology,Nidasoshi,India.

11. Patents/Copyrights/IPR (IfAny)

NIL

12.   Resource person for Guest lecture "E-Waste Management " delivered at SJPN Trust's BCA College, Nidasoshi

13.   RESEARCH PROJECTS *(COMPLETED/ONGOING):*

    NIL

14.   PARTICIPATION & PRESENTATIONS IN SEMINARS /SYMPOSIA/ WORKSHOPS/ CONFERENCES:

Sl. No.	Topic	Period		Venue
		From	**To**	
1	MATLAB Programming	15 Aug 2009	19 Aug 2009	D.Y.Patil College of Engineering & Technology, Kolhapur
2	Aakash for Education	10 Nov 2012	11 Nov 2012	KLE College of Engineering and Technology, Chikodi
3	Analog Electronics	4 June 2013	14 June,2013	KLE College of Engineering and Technology, Chikodi
4	Emerging Technological Problems and Possible solution in Microelectronics, Embedded Systems and VLSI Design	22 July 2013	25 July ,2013	KLE Dr. M.S . Sheshgiri college of Engineering & Technology, Belgaum
5	Signals and Systems	2 Jan 2014	12 Jan, 2014	KLE College of Engineering and Technology, Chikodi
6	Outcome Based Education	24 Jan 2014	25 Jan ,2014	KLE Institute of Technology, Hubli
7	Computer Programming	20 May 2014	21 June ,2014	KLE College of Engineering and Technology, Chikodi
8	Image processing 7 Its Applications	23 Jan 2017	25 Jan ,2017	S.G.Balekundri Institute of Technology, Belagavi
9	Scilab	18 Aug 2017	19 Aug 2017	VTU ,Belagavi

10	Internet of Things and its Real Time Applications	28 Jan 2019	2 Feb ,2019	Hirasugar Institute of Technology, Nidasoshi
11	Machine Learning and Data Analytics	08 Jan 2020	11 Jan 2020	Hirasugar Institute of Technology,Nidasoshi
12	Online FDP on "Advanced Research Trends in Image Processing"	14 July 2020	16 July 2020	Hirasugar Institute of Technology,Nidasoshi
13	Battery Management & Control Techniques in Electric Vehicles	14 Dec 2020	19 Dec 2020	Hirasugar Institute of Technology,Nidasoshi
14	5G Technology	23 August 2021	27 August 2021	BMS College of Engineering,Bangalore
15	Software Engineering and Testing Methodologies	16 Mar 2022	19 Mar 2022	Hirasugar Institute of Technology, Nidasoshi
16	Research Grants,publications and consultancy skills for Academicians	06 Mar 2023	08 Mar 2023	Bangalore

15.   AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

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16.   ANY OTHER SIGNIFICANT INFORMATION:

S.S.Malaj