



JSS Mahavidyapeetha


JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060
Department: Electronics & Communication Engineering



FACULTY PROFILE

1. Personal Details

NAME	Anuradha.M.G	
DEPARTMENT	Electronics & Communication Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 99456 16698	
EMAIL ID	anuradhamg@jssateb.ac.in	
Date of Joining (JSSATEB)	21-01-2009	

2. Experience

Total Experience in Years	Teaching: 20 Years	Industry: Nil	Research: 8 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Electronics and Communication	2002	Vidya Vardhaka College of Engineering Mysore 570002 Karnataka INDIA	Visvesvaraya Technological University, Karnataka
M.E. / M.Tech. / M.Sc.	VLSI Design and Embedded Systems	2008	SJCE, Mysore 570006 Karnataka INDIA	Visvesvaraya Technological University, Karnataka
Ph.D.	Electrical and Electronics	2022	ATME college of Engineering	Visvesvaraya Technological University, Karnataka
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	National: NIL
Papers Published in SCOPUS indexed Journals	International: 04	National: NIL
Papers Published in other Journals	International: 05	National: NIL
Papers Presented in Conferences / Symposium	International:07	National: 04
Books / Book chapters Published	Name of the book: HDL Manual Publisher: Subhas publications Year of Publication: 2014	

	Name of the book: Publisher: Year of Publication:
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5. Research Guidance:

PhD Guide? Give field & University	No	University: VTU
PhDs / Projects Guided	Ph.D. Awarded: Nil	Projects at Master's Level: 06 Projects at Bachelor's Level: 24

6. Grants

i. Funds Received (Projects) :NIL

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

ii. Patents :NIL

Sl. No.	Title Details	Details of award of patent / Filed

iii. Consultancy :NIL

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

7. Awards Received :NIL

Awards	
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Implementation of blood Glucose and cholesterol monitoring	Shubha B, Anuradha M G, Poornima N, Suprada H S,	Emitter	Volume 11, No. 1, June 2023, PP 76-88 https://doi.org/10.24003/emitter.v11i1.766	WOS		PENS

	device using non-invasive technique	Prathiksha R V					
2.	High speed and low power implementation of K-Means Clustering Algorithm for image analysis	Anuradha M G, Basavaraj.L	High Technology letters	Volume 26, issue 11, 2020, PP-1-10 https://doi.org/10.37896/HTL26.11/2050	Scopus	2.7	Science Press
3.	FPGA Implementation of Forgy's K-Means Clustering for Real time image analysis	Anuradha M G, Basavaraj.L	Communication on Applied Electronics	Volume No.:7 Issue No.:30 Month & year: August 2019 Pp:1-5 ,DOI: 10.1520/cae2019652832	-	0.8	Foundation of computer science
4.	FPGA Implementation of Mean shift algorithm for real time image segmentation	Anuradha M G, Basavaraj.L	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075	Volume-9, Issue-2, pp 3298-3304 DOI: 10.35940/ijtee.B6276.129219	Scopus	5.54	Blue Eyes Intelligence Engineering & Sciences Publication', Bhopal (Madhya Pradesh), India
5.	Design of low power arithmetic and logic unit using reversible logic gates	Lakshmikanth .M.N, Anuradha.M. G	International Journal of VLSI System Design and communication system	ISSN 2322-0929 Vol.03, Issue.03, June-2015, Pages:0271-0276		2.75	SEMAR groups, Hyderabad, India
6.	Design and Implementation of concurrent error detection and data recovery architecture for motion estimation testing application	Anuradha M G, Abhilash.B.T and Veerabadrapa.S	International journal of embedded systems and soft computing	ISSN: 2250-1371 Vol:2 Issue:8 pp:1-7			IJESC Journal publication
7.	Design and Implementation of Haze	Deepa. S, Aishwarya, Anuradha. M. G	International Research Journal of	Volume: 06 Issue: 05, pp 2411-2414 e-ISSN: 2395-0056			RJ publications, Tamilnadu

	removal technique		Engineering and Technology (IRJET)				
8.	Object Detection for Relative Positioning	Anish George, Drishya P Suresh, M Shama, Ayush Kumar Sharma, Anuradha M. G, Bharathkumar Hegde	International Research Journal of Engineering and Technology (IRJET)	Volume: 07 Issue: 05 May 2020 Pp 1-3 e-ISSN: 2395-0056			RJ publications, Tamilnadu
9.	A Comparative Analysis of Adder Circuits in CMOS, GDI & PTL	Anuradha M G, Shubha B, Punith Penumaka, Tejas B, Venu M and Yashas K	Journal of Huazhong University of Science and Technology	ISSN-1671-4512, Volume 20, issue 7, 2021,			
10.	A Study on Non-Invasive Blood Glucose and Cholesterol Monitoring Device	Shubha B, Anuradha M G Suprada H S, Sumedha C, Prathiksha R V, Shrilaxmi Dixit	High Technology Letters	Volume 27, Issue 7, 2021, ISSN NO : 1006-6748			

ii. National Journals: Nil

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1.	Implementation of Kannada to Braille translator	Anuradha M G, Shishira, Shilpa	International conference on emerging trends in engineering & Management technology (icetemt-2022) organized by RRCE, Bangalore on 21 st and 22 nd June 2022	2022- Accepted for publishing in IEEE Xplore			IEEE

2.	High speed low power implementation of K-Means Clustering algorithm for Image analysis	Anuradha. M.G, Basvaraj.L	International Conference on Recent trends in science and technology(ICRTST-2020) organized by ATME college of Engineering, Mysuru on 17 th and 18 th June 2020.				ATME college, Mysuru
3.	Architecture Formulation And Analysis Of Graph Based Clustering Algorithm	Anuradha. M.G, Basvaraj.L	<i>International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECCOT)</i> , Mysuru, India, 2018, pp. 790-794 published in IEEE explore Digital Library	DOI 10.1109/ICEECCOT43722.2018.9001413.	Scopus		IEEE
4.	High speed forgy's K-Means algorithm with single clock divider for image analysis	Anuradha. M.G, Basvaraj.L	International Conference on Current Trends in Engineering, Science and Technology (ICCTEST-2017) Don Bosco Institute of Technology, Kumbalagodu, Bengaluru, 5 th – 7 th January 2017. Published in Grenze International Journal of Engineering and Technology (GIJET).	10.21647/ICCTEST/2017/49099			Grenze International Journal of Engineering and Technology (GIJET).
5.	Design and Implementation of High VLSI Architecture of Online Clustering Algorithm for image Analysis	Anuradha. M.G, Basvaraj.L	International conference on Computer communication technologies (IC3T-2016), Vijayawada, Andhra Pradesh, 5 th -6 th Nov 2016. Published in Advances in Intelligent	Vol 542, ISBN : 978-981-10-3222-6. DOI 10.1007/978-981-10-3223-3_18	Scopus		Springer

			systems and soft computing, Springer.			
6.	Implementation of Vedic Multiplier using Different Parallel Prefix adders	Chaitra.M, Puneeth S B, Anuradha. M.G,	National Conference on “Recent trends in Electronics and Communication Engineering(NCR EC-2016) held on 5 th May 2016			SKIT, Bengaluru.
7.	Roll Attitude Hold and Fault Analysis Using Kalman Filter for Flight Control System	Anuradha. M.G, Ajay.J	National Conference on “Developments in the domain of Electrical Engineering(NCD DEE-14) held on 10 th and 11 th July 2014			SSIT, Tumkur in association with The Institution of Engineers
8.	Aircraft Heading & Roll Autopilot Design with Fault Analysis Using Kalman Filter	Anuradha. M.G, Ajay.J	National Conference on “VLSI,Signal and Image processing” held on 22 nd and 23 rd August 2014.			JSS Academy of Technical Education
9.	VLSI Implementation of Multidimensional K means Clustering Algorithm for Multimedia Content Analysis	Anuradha. M.G, Arun Kumar.R, Dr.Siva Yellampalli	International Conference on “Pattern recognition Applications and techniques” held at Meenakshi College for Women, Chennai on 1 st and 2 nd March 2013	ISBN: 978-1-25-905849-3		Tata Mac-Graw hill publication
10.	VLSI architecture for Image Segmentation using Fuzzy C means Algorithm	Anuradha. M.G, Poornima.B .K	NCRTEC-13 held on 30 th August 2013			KSIT, Bangalore

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1.	“Introduction to Python Programming & its Applications”	AICTE – VTU Joint Teachers Training Programme	19th – 23rd June 2023

2.	Connecting people to Semiconductor Industry	SRM University	Dev 5 th 2022 to 17 th Dec 2022
3.	Ability Enhancement courses in Electronics & Communication Engineering	SJB Institute of Technology	12 th to 16 th September 2022
4.	International Conference on Recent trends in science and technology(ICRTST-2020)	ATME college of Engineering, Mysuru	17 th and 18 th June 2020.
5.	<i>International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICECCOT),</i>	GSSSITW, Mysuru, India	14-15 Dec 2018
6.	International Conference on Current Trends in Engineering, Science and Technology (ICCTEST-2017)	Don Bosco Institute of Technology, Kumbalagodu, Bengaluru,	5 th – 7 th January 2017.
7.	International conference on Computer communication technologies (IC3T-2016),	Vijayawada, Andhra Pradesh,	5 th -6 th Nov 2016
8.	International Conference on “Pattern recognition Applications and techniques	Meenakshi College for Women, Chennai	1 st and 2 nd March 2013
9.	Signal, Image processing& SDR using Labview	JSSATE, Bangalore	22 nd -24 th June 2015.
10.	Workshop on “Research Methodology and Latex”	Organized by VTU e-learning centre, Mysore	9 th to 11 th September 2014 at Shree Devi Institute of Technology, Mangalore.
11.	National Conference on “ VLSI, Signal and Image processing” held on 22 nd and 23 rd August 2014.	Organized by Department of ECE, JSSATE	22 nd to 23 rd Aug 2014.
12.	Faculty development program on “ Advanced VLSI design using Cadence Tool suite”	Organized by Department of ECE, JSSATE	16 th to 18 th July 2014.
13.	Workshop on “VLSI design lab using open source”	Organized by M.S.Engineering College Bengaluru.	24 th to 25 th July 2013.
14.	Faculty Development program on “Project management concepts”	Organized by Cognizant, Bangalore	27 th and 28 th April 2012.

v. Workshops / Conference (Orgained)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1.	Robovision workshop, conducted by Technophilia Systems in Association with robotics and computer application Institute of USA held at JSS academy of Technical Education.	IEEE student branch, JSSATE, Bengaluru	20 th and 21 st July 2015.	Branch councillor and organizer
2.	AutoBotz AVR workshop, conducted by Technophilia Systems in Association with robotics and computer application Institute of USA held at JSS academy of Technical Education.	IEEE student branch, JSSATE, Bengaluru	27 th and 28 th Feb 2015.	Branch councillor and organizer

vi. **Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organiser	Date
1.	The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	IIT Bombay	21 June 2020

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1.	Hardware modeling using Verilog	IIT Kharagpur	Aug-Oct 2019 / Dec 2019	96% (Topper- Top 1%)
2.	Python Programming: A Concise Introduction	Wesleyan University	June 5 th 2020	100%
3.	Foundation of data science : K-Means clustering in Python	University of London	Sep 7 th 2021(98%)	5 weeks
4.	Machine learning for all	University of London	Feb 12 th 2022(100%)	5 Weeks

10. Membership of Professional Bodies:

1. Member of IEEE from 2013

Any other information you will like to share about your professional experience

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