FACULTY PROFILE

Department: Electronics & Communication Engineering

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	
Teaching	20	
Industry	Nil	
Research	8	

2. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Electronics and Communiation	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

3. 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:

4. Research Guidance:

PhD Guide? Give field & University	Yes- Registered under VTU	University: VTU
PhDs / Projects Guided	Ph.D. Awarded: Nil	Projects at Master's Level: 06 Projects at Bachelor's Level: 24

5. Grants

i. Funds Received (Projects) :NIL

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

Submitted projects:

Sl. No.	Project Title & Names of Investigators/collaborators	Funding Agency	Amount Sanctioned /Sought with date	Outcome/Status
01	Efficient Hardware strategies for Underwater images PI- Dr. Thejaswini P Co-PI- Dr. Anuradha M G	DST SERB-Power	Applied for 32 L	Waiting for the result
02	Design of Secure and Efficient Video Surveillance System PI- Dr. Thejaswini P Co-PI- Dr. Anuradha M G	VGST GRE Scheme	Applied for 30 L	Waiting for the result

ii. Patents :NIL
iii. Consultancy :NIL
6. Awards Received :NIL

7. 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 device using non-invasive technique	Shubha B, Anuradha M G, Poornima N, Suprada H S, Prathiksha R V	Emitter	Volume 11, No. 1, June 2023, PP 76-88 https://doi.org/**10.24003/emitter.v11i1.766**	WOS		PENS
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/ijitee.B6276.129219	Scop us	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 Veerabadrappa.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 removal technique	Deepa. S, Aishwarya, Anuradha. M. G	International Research Journal of Engineering and Technology (IRJET)	Volume: 06 Issue: 05, pp 2411-2414 e-ISSN: 2395-0056			RJ publications, Tamilnadu
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	Shubha B, Anuradha M G Suprada H S, Sumedha C, Prathiksha R	High Technology Letters	Volume 27, Issue 7, 2021, ISSN NO : 1006-6748			

| | CholesterolMo nitoring Device | V, Shrilaxmi Dixit | | | | | |

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.	**ADS-based Redeployment Strategy for Wireless Sensor Networks to Improve Coverage Time and Distance**	Niranjan L; Ananth Kumar M S; Anuradha. M.G; Parthasarathy P; Venkatesh M; Imtiyaz Ahmed B K	Published in: 2023 International Conference on Recent Advances in Science and Engineering Technology (ICRASET)	Date of Conference: 23-24 November 2023 Date Added to IEEE Xplore: 08 February 2024 ISBN Information: Electronic ISBN:979-8-3503-0692-7 Print on Demand(PoD) ISBN:979-8-3503-0693-4 DOI: 10.1109/ICRASET59632.2023.10420390 Publisher: IEEE Conference Location: B G NAGARA, India	Yes		IEEE
2.	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 21st and 22nd June 2022	2022- Accepted for publishing in IEEE Xplore			IEEE
3.	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 17th and 18th June 2020.				ATME college, Mysuru
4.	Architecture Formulation And Analysis Of Graph Based	Anuradha.M.G, Basvaraj.L	International Conference on Electrical, Electronics, Communication,	DOI 10.1109/ICEECCOT43722.2018.9001413.	Scopus		IEEE

#	Title	Authors	Publication details	DOI / ISBN			Publisher
	Clustering Algorithm		Computer, and Optimization Techniques (ICEECCOT), Msyuru, India, 2018, pp. 790-794 published in IEEE explore Digital Library				
5.	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, 5th – 7th 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).
6.	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, 5th-6th Nov 2016. Published in Advances in Intelligent systems and soft computing, Springer.	Vol 542, ISBN : 978-981-10-3222-6. DOI 10.1007/978-981-10-3223-3_18	Scopus		Springer
7.	Implementation of Vedic Multiplier using Different Parallel Prefix adders	Chaitra.M, Puneeth S B, Anuradha.M.G,	Natiional Conference on " Recent trends in Electronics and Communication Engineering(NCREC-2016) held on 5th May 2016				SKIT, Bengaluru.
8.	Roll Attitude Hold and Fault Analysis Using Kalman Filter for Flight Control System	Anuardha.M.G, Ajay.J	Natiional Conference on " Developments in the domain of Electrical Engineering(NCDDEE-14) held on 10th and 11th July 2014				SSIT, Tumkur in association with The Institution of Engineers
9.	Aircraft Heading & Roll Autopilot Design with Fault Analysis	Anuardha.M.G, Ajay.J	National Conference on " VLSI,Signal and Image processing"				JSS Academy of Technical Education

	Using Kalman Filter		held on 22nd and 23rd August 2014.				
10.	VLSI Implementation of Multidimensional K means Clustering Algorithm for Multimedia Content Analysis	Anuardha.M.G, Arun Kumar.R, Dr.Siva Yellampalli	International Conference on "Pattern recognition Applications and techniques" held at Meenakshi College for Women, Chennai on 1st and 2nd March 2013	ISBN: 978-1-25-905849-3			Tata Mac-Graw hill publication
11.	VLSI architecture for Image Segmentation using Fuzzy C means Algorithm	Anuradha.M.G, Poornima.B.K	NCRTEC-13 held on 30th 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 5th 2022 to 17th Dec 2022
3.	Ability Enhancement courses in Electronics & Communication Engineering	SJB Institute of Technology	12th to 16th September 2022
4.	International Conference on Recent trends in science and technology(ICRTST-2020)	ATME college of Engineering, Mysuru	17th and 18th June 2020.
5.	International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECCOT),	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,	5th – 7th January 2017.
7.	International conference on Computer communication technologies (IC3T-2016),	Vijayawada, Andhra Pradesh,	5th -6th Nov 2016
8.	International Conference on "Pattern recognition Applications and techniques	Meenakshi College for Women, Chennai	1st and 2nd March 2013
9.	Signal, Image processing& SDR using Labview	JSSATE, Bangalore	22nd -24th June 2015.
10.	Workshop on "Research Methodology and Latex"	Organized by VTU e-learning centre, Mysore	9th to 11th September 2014 at Shree Devi Institute of Technology, Mangalore.
11.	National Conference on " VLSI,Signal and Image processing" held on 22nd and 23rd August 2014.	Organized by Department of ECE, JSSATE	22nd to 23rd Aug 2014.
12.	Faculty development program on " Advanced VLSI design using Cadence Tool suite"	Organized by Department of ECE, JSSATE	16th to 18th July 2014.
13.	Workshop on "VLSI design lab using open source"	Organized by M.S.Engineering College Bengaluru.	24th to 25th July 2013.
14.	Faculty Development program on "Project management concepts"	Organized by Cognizant, Bangalore	27th and 28th April 2012.

v. Workshops / Conference (Orgainsed)

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	20th and 21st July 2015.	Branch counceller 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	27th and 28th Feb 2015.	Branch counceller and organizer
3.	Next generation High performance computing & communication system	Internal Quality Assurance Cell in association with IETE Student Forum and Indian Institute of Technology Guwahati	11 & 12, July 2024	Co-ordinator

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

8. **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 5th 2020	100%
3.	Foundation of data science : K-Means clustering in Python	University of London	Sep 7th 2021(98%)	5 weeks
4.	Machine learning for all	University of London	Feb 12th 2022(100%)	5 Weeks

9. **Membership of Professional Bodies:**

1. Member of IEEE from 2013

Industry interaction:

(i) **Have been invited as resource person for training "Bharat Electronics" employees on the following dates:**

1. **22nd and 23rd April 2024**

2. **27th and 28th May 2024**

3. **17th and 18th Sep 2024**

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