Faculty Profile

General

Name	Dr.M.J.Anand
Designation,	Associate Professor and HOD
Department & Affiliated Institution	*Electronics and Communication ,PES College of Engineering,Mandya and VTU,Belgaum*
Research Area	Sensor and Applications,VLSI Design and machine learning
Contact Number	8050020106
Email ID	anandmj@pesce.ac.in

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
PhD	PESCE,Mandya	VTU,Belgaum	2020		
MTech	SJCE,Mysore	VTU,Belgaum	2006	70	1st class with Distinction
B.E.	SJCE,Mysore	UOM,Mysore	1998	68	1st

Professional Experience

Organization and Department	Designation	Period	Total Experience
PES College of Engineering ,Mandya	Associate Professor	3/3/2021 to till date	2 year 5 months
	Assistant Professor	29/2/2008 to 3/3/2021	13 years
Vidya vikas institute of Engineering and Technology,Mysore	Assistant Professor	31/10/2001 to 28/2/2008	7 years
Coorg institute of Technology,Gonikoppa	Lecturer	30/10/2000 to 29/10/2001	1 year
Vidya Vardhaka college of Engineering,Mysore	Lecturer	2/10/1999 to 29/10/2000	1 year

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	Undergraduate: Signal and System, Electronics Instrumentation,Digital Design Using Verilog HDL, Logic Design , Low Power VLSI Design, Digital Signal Processing, Post Graduate (M. Tech): Low Power VLSI Design, Digital system design using Verilog,Systemverilog for design and Verification.

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	*Nil*	*Nil*	*Nil*
Pursuing	*Nil*	*Nil*	*Nil*

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
A Heuristic Approach To Develop A Prototype E Nose To Detect Spoilage Of Milk and Bread.	VGST (SMYS),Karnataka	*5,00.000.00*	*5,00.000.00*

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	*Nil*	*15*
Conferences/Symposia	*06*	*04*

Other Important Responsibilities Held in the College

1. Head of the Department	*3. BOS Chairmen of UG and Member for PG*
2.BOE Member of UG and PG	*4.College MOOCs Coordinator*
5.Deputy Dean Research	*6. Joint Secretary of Staff Association of the college*
7. Remote Center Coordinator,IITB,Bombay	*8.Workshop Coordinator*
9.Coordinator for the International Conference	*10. Department Test Coordinator*

INTERNATIONAL JOURNAL

1	Anand M J, V.Sridhar, Ramasamy Ravi "Detection of Sub-Clinical Mastitis Using Prototype Electronic -Nose" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019 **(Scopus Index):**
2	Anand M J, Dr.V.Sridhar, Dr.Ramasamy Ravi "Development Of Prototype E Nose For Detection Of Adulterants In Raw Milk" Compusoft, An International Journal Of Advanced Computer Technology, 8(7), July-2019 (Volume-8, Issue-7) **(Scopus Index)**
3	LamiaZuha A &Anand M J "Recognition of Human Facial Expression using Machine Learning Algorithm" International Journal of Computer Science and Mobile ComputingVol. 8, Issue. 5, May 2019, pg.109 – 118 ISSN 2320–088X IMPACT FACTOR: 6.199
4	Mohamed Azheruddin&Anand M J "Development of Verification Environment for I2C Controller Using System Verilog and UVM" International Journal of Computer Science and Mobile ComputingVol. 8, Issue. 5, May 2019, pg.100 – 108 ISSN 2320–088X IMPACT FACTOR: 6.199
5	M.J.Anand, Dr.V.Sridhar "Characterisation of Gas Sensor Array for Milk Spoilage and Diseases Detection" International Journal of Electronics, Electrical and Computational System Volume 7, Issue 2 February 2018 PP 48-52 ISSN 2348-117X
6	M.J.Anand, "A robust automated brain cancer cell segmentation using colorScheme mapping at different hyper spectral density" International Journal of Recent Scientific Research Vol. 9, Issue, 2(D), pp. 24030-24033, February, 2018
7	M.J.Anand, "Characterisation of Gas Sensor Array for Milk Spoilage andDiseases Detection" International Journal of Electronics, Electrical and Computational System IJEECS ISSN 2348-117X Volume 7, Issue 2 ,February 2018
8	M.J.Anand, "Development of an E-Nose Using Metal Oxide Semiconductor Sensors for the Classification of Different Types and Aging of Milk" International Journal of Advanced Research in Science and Engg Vol.06, Issue 11, Nov 2017

9	J.Anand, 2014 " Adaptive wavelet Packet Decomposition for Efficient Image Denoising By using neighsure shrink method"International Journal of Computer Science and Information Technologies(IJCSIT) ISSN :0975-9646, Vol. 5(4), 2014,5003-5009.
10	J.Anand, 2014 " Interpolation based image super resolution by support Vector Regression" International Journal of Computer Science and Information Technologies(IJCSIT) ISSN :0975-9646, Vol. 5(4), 2014,5010-5014.
11.	Dr.M J Anand, Rakshitha S"Development of Prototype E-nose to Detect the Ripening Stages of Fruits and Vegetables using Machine Learning Algorithm." International Research Journal of Engineering and Technology (IRJET),Volume: 07 Issue: 07 , July 2020.
12.	Anand M.J , Rakshitha G V "IoT based Diabetes Detection using Machine Learning Algorithms." , International Research Journal of Engineering and Technology (IRJET),Volume: 07, Special Issue	June 2020.
13.	Dr.M J Anand , Suhasini G R , Shivani R ,Soundarya K N ,Tejashwini K S "REVIEW OF MEMS PRESSURE SENSOR.", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 05 Issue: 03, March – 2021.
14.	Dr.M.J.Anand, Geethashree," Verification of Dual Port RAM using System Verilog and UVM: A Review.", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9 Issue III Mar 2021.
15.	Dr.M.J.Anand,Geethashree," Verification of Dual Port RAM using System Verilog and UVM." International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9 Issue VI, Jun 2021

Sl.NO	INTERNATIONAL CONFERENCE
1.	Anand M J, 2017 "Development of an E-Nose Using Metal Oxide Semiconductor Sensors for the Classification of Different Types and Aging of Milk" 10th International Conference on science, Technology and Management(ICSTM-17) atInstitution of Electronics and Telecommunication Engineers, Ganganagar, Bengaluru on 19th Nov2017.
2.	Anand M J, Dr.V.Sridhar, Dr**.**Ramasamy Ravi," Detection of Sub-Clinical Mastitis Using prototype Electronic – Nose." , International Conference on Science, Engineering and Technology (ICSET-2K19), Mummidivaram ,Andra pradesh ,2019.
3.	M.J.Anand, Dr.V.Sridhar," Characterisation of Gas Sensor Array for Milk Spoilage and Diseases Detection", 2nd International Conference on new Frontiers of Engineering, Science, Management and Humanities (ICNFESMH – 2018), Pune, February 2018.
4.	M.J.Anand, Dr.V.Sridhar, "Application of fine decision tree machine learning

algorithm to predict the subclinical mastitis in cow milk using Prototype E-nose."Emerging Research in Computing, Information, Communication and Applications- ERCICA 2020, September 24-25,2020.

Sl.NO	NATIONAL CONFERENCE
1	LamiaZuha A &Anand M J "Identification of Human Facial Expression using CSMP Machine Learning Algorithm" International Journal for Research in Engineering Application & Management (in the National Conference on New Generation Emerging Trend Paradigm held on 3rd May-2019 organized by East Point College of Engineering & Technology, Bangalore.)
2	Mohamed Azheruddin &Anand M J " Verification Environment for 12C Controller Using System Verilog" International Journal for Research in Engineering Application & Management (in the National Conference on New Generation Emerging Trend Paradigm held on 3rd May-2019 organized by East Point College of Engineering & Technology, Bangalore.)
3	M.J.anand, 2016 "Fast and Energy Efficient Ultra Low Voltage level shifter using revised Wilson Current Mirror" 5th National Conferene ,G'Tech-EXPO 16 on Emerging Trends In Electronics And Technology at GMIT, Bharathinagar on 29th April 2016
4	and M.J, 2015, " Development of safety System and environment monitoring system for coal minig using wireless sensor networks" emerging trends in engineering & technology"(NCETEC-15)on 5th May 2015, at GMIT, Bharathinagar
5	Anand M.J, 2015 "Design of a low dropout regulator using 180nm technology", in the national conference on Emerging trends in Engineering & Technology", GMIT, Bharathinagar, Mandya.
6	Anand M.J, 2015 "Design of a 8 bit current streeing with integrated power supply using 90nm CMOS", in the national conference on Emerging trends in Engineering & Technology", GMIT, Bharathinagar, Mandya

BEST PAPER AWARD

1. Anand M J, Dr.V.Sridhar, Dr.Ramasamy Ravi," Detection of Sub-Clinical Mastitis Using prototype Electronic – Nose." , International Conference on Science, Engineering and Technology (ICSET-2K19), Mummidivaram ,Andra pradesh ,2019.

INTERNATIONAL PATENT GRANT

1.Dr.M.J.Anand,"IOT based device to detect the Efficiency of Remote working using DMS Sensor. Australian Patent application No.2020104070 and Grant on 10 February 2021.