

Curriculum Vitae

Name: : Dr. Mrs. SUNEETA MUKUND BADA VE

Address: 'Shubhankar', Plot No. 73, Dwarkadasnagar, Opp. MIT College,
Beedbypass, Aurangabad

E-mail: sunita.badave@mit.asia, hodee.mitt@mit.asia

Contact: 0240-2375180

Date of Birth: 02/06/1968



Academic Credentials

Class/ Degree	Specialization	Institution	Univer sity	Year	%/CGPA	Class
Ph. D.	VLSI Signal Processing	Govt.engg. Collage ,Aurangabad	Dr.BAMU Aurangabad	2017	-	Awarded
M.E.	Electrical Power System	Govt.engg. Collage ,Aurangabad	Dr.BAMU Aurangabad	1998	75.81	First Class with Distinction
B.E.	Electrical	Walchand College of Engineering Sangli	Shivaji University, Kolhapur.	1989	75.41	First Class with Distinction

Key Research Areas: VLSI Signal Processing

Experience

Sr. No.	Organization	Post	From	To	Years	Months
1	Walchand Institute of Technology , Solapur.	Lecturer	June 1989	May 1990	-	11Months
2	Govt. Engg.College , Aurangabad	Visiting Faculty	July 1991	Dec 1991	-	5 Months
3	Marathwada Institute of Technology, Aurangabad	Lecturer	Feb 21 st ,1992	Feb 28 th , 2005	13yrs	-

4	Marathwada Institute of Technology, Aurangabad	Sr. Lecturer	March 1 st , 2005	May 31 st , 2006	1yr	2 Months
5.	Marathwada Institute of Technology, Aurangabad	Assistant Professor	June 1 st , 2006	July, 2011	5 yrs	-
6	Marathwada Institute of Technology, Aurangabad	Head & Associate Professor	July, 2011	22 Sept 2017	6 yrs	2 Months
7	Marathwada Institute of Technology, Aurangabad	Head and Professor	23 Sept 2017	21/08/2022	5 yrs	
8	Maharashtra Institute of Technology, CSN	Head and Professor	22/08/2022	till the date		

List of Courses Taught/Teaching at UG level

- Digital Electronics
- Microprocessors
- Microcontrollers
- Embedded System
- VLSI
- Digital signal processing.

List of Courses Taught/Teaching at PG level

- Advanced Digital Signal Processing
- Modern Optimization Techniques

Additional Assignments/Duties

1.	Worked as Secretary for two years , as Executive Committee member for two years under I.E.T.E. Aurangabad Sub Center. & Organized many Workshops, Seminars & Expert Lectures.
2.	Established the Department of Electrical Engg. (Formerly Electrical and Electronics Engg.2010)
3.	Established “Centre of Excellence for Automation and Mechtronics” in collaboration with SIEMENS, Berlin Germany at MIT.
4	Conducted two ‘ Suryamitra ’ skill development programs, sponsored by ‘National Institute of Solar Energy(NISE)’, for durations of 3 months. 1. From 19 th March to 19 th June 2016 2. From 7 th January to 7 th April 2017.
5	Conducted two ‘Solar Panel Commissioning’ skill development programs, sponsored by ‘District Industries Centers’, for durations of 40 days.
6.	Given Consultancy to Aurangabad Muncipal corporation Aurangabad Regarding the Estimate for the Supply of the Spare parts for 1. 670 HP VT Pumps (CNE 24 × 4 Stgs) 2. 2000 KVA Transformer at New Pharola.
7.	Offered consultancy to Maharashtra Centre for Entrepreneur Development (MCED) Regarding the technical consent of quality supplier and quality of material of Solar Power Plant.
8.	Offered Consultancy to MSEB regarding “ Solution for Tampering of Energy-meter by Electromagnetic Remote ”, which was stopping the meter from reading actual energy

	consumption
9.	Signed MoU with 'Regional Training Centre' of MSEDCL Waluj.; about 300+ students are benefited.
10	Students of Electrical Department also excelled in E-BAJA, secured 4 th rank in virtual.
11	Working as a Reviewer for " Circuit, Systems and Signal Processing ", Springer Publication
12	Won Energy Excellence Award organized by Maharashtra Energy Development Agency(MEDA) for consecutive four years 2016-17, 2017-18, 2018-19 and 2019-20
13	Conducted one month 'Vehicle Repair Training Program' in collaboration with MCED,

Membership of Professional Bodies

Life Member of Indian Society for Technical Education (LM12385)
Life Member of Institute of Electrical and Telecommunication Engineers (M093698)
Life Member of IAENG (International Association of Engineers) (114897)
Member of ISRD (International Society For Research And Development) (M4150901211)

Research Projects/Projects Guided

M.E. / M.tech Projects Guided

Sr.No.	Title of Dissertation
1	Surveillance System of sandal wood forest using MSP 430
2	Wireless Ambulatory Blood Pressure Monitoring System
3	RISC Processor Design and Simulation in VHDL
4	Concurrent Bacterial Foraging with Emotional Intelligence
5	FPGA Implementation of Pure CODIC based FFT by using Verilog
6	Speech Recognition into American Standard Sign Language
7	Simulation and Performance Analysis of LMS Adaptive Filter in Noise Cancellation on FPGA Platform
8	Real Time On-line Monitoring Data Acquisition System for the Industrial wastewater Using ARM 7 (LPC1768)
9	Handwritten Character Recognition Using Wavelet Transformation

10	Speaker Identification System Using Wavelet Transformation and Neural Network
11	A modified SEPIC Converter with PV Module and MPPT Technique
12	IoRT based Industrial Palletizing Robot
13	Designing the Simulation Kit for Testing Local Control Cabinet In Gas Insulated Switchgear
14	Non isolated Sextuple Output hybrid Converter
15	IoT Based Health Monitoring of Three Phase Induction Motor
16	An Approach to Solve Travelling Salesman Problem Using Combination of GA & PSO
17	Speed Control of Three Phase Induction Motor Using Fuzzy Logic and Asymmetric PWM
18	Harmonic Minimization in three Phase network using algorithmically PI controlled shunt active power filter based on PQ theory
19	Speed control of BLDC motor using PI and Fuzzy controller
20	A Design of Artificial Intelligence based PID Controller for Electric Vehicle Powertrain Modeling
21	A solar integrated 25 Level H-Bridge Multilevel Inverter
22	Design of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station
23	Comparative Analysis of Power Factor Improvement Using Zeta and SEPIC Converter for Brushless DC Motor Drive

Computer/Software Proficiency

Xilinx Project Navigator, VIVADO
MATLAB, SCILAB
Cross Compilers : ARM 7, 8051
STEP 7

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

Workshops organized & Attended

1.	One day Workshop on Mobile communication- By Y. Parthsarthy.
2.	One day Induction program for Teacher's training-Prof Diwan
3.	Participated in three day exhibition cum seminar and workshop on ' e commerce Prospective ' jointly organized by IETE,MIA, CSIA and Jagtik Marathi Industry Chambers of Commerce and Industries.
4.	Organized & Participated in one day workshop on " Microcontrollers & its applications in industries " on 14 th Feb. 2003.organized by MIT for industry.
5.	Three Days Workshop On " Implementation of DSP Algorithms using MATLAB & TM320C5402 " -Organized by J.N.E.C. Aurangabad on 21 st - 23 rd Feb. 2003.
6.	One day orientation workshop for teachers training organized by MIT Aurangabad. Conducted on 17 th Jan 2004.
7.	Two Days Workshop On " MATLAB 6.5 & Application " Organized by Institute of Electronics & telecommunication engg. , Govt College of Engg. Aurangabad on 21 st to 22 rd Feb. 2004.
8.	Organised & Attended a workshop on " Digital Library " on 19 th March 2004, at MIT , Aurangabad
9.	Organised & Attended a workshop on " Computer Networking " on 2 nd & 3 rd April 2004, organized by MIT , Aurangabad
10	Attended four day workshop on " Embedded System Design on MSP 430 " held on 13 th - 16 th September 2004 , conducted by Gill Instruments, Bangalore.
11.	Attended two day workshop on " Linux : System and Network Administration " held on 5 th & 6 th January 2005 , conducted by Computer Science & engg. Department in association with Lansmart Technologies,Mumbai
12.	Presented a paper on " Model Processes for curriculum development "in the workshop on "Electronics Engineering Curriculum Development Vision - 2005" conducted by department of Electronics & Telecommunication Engg., Aurangabad on March 23 rd & 24 th 2005.organised by Govt. College of Engg. Aurangabad.
13	Participated in One Day workshop on " Telecommunications " held on 10 th Aug. 2005 at M I T.
14	Worked as coordinator for five day workshop on " Embedded System Design " jointly organized from 16 th -20 th Aug 2005 with SPJ ,System Pune & MIT Department of Electronics & Communication Engg.
15	Worked as coordinator for two day workshop on " Microwaves & Antennae " jointly organized on 4 th & 5 th 2006 with IETE & MIT department of Electronics & Communication

	Engg.
16	Organized & Participated in one day Faculty Training Program on "GNU Octave" organized on 31 st Mar 2007
17	Attended STTP on "Laboratory tools & Practices in Micronrollers & Signal Processing" from 3 rd July to 13 th July 2007 at K.J. Somaya College of Engg. Mumbai.
18	Organized & Attended three day National level STTP on "Challenges in CMOS VLSI Design" on 8 th - 10 th Nov 2008 , organized by the Department of Electronics & Communication Engg., MIT , Aurangabad
19	Attended one week STTP on 'VLSI Signal Processing' from 22-26 Dec 2008, by IIT Khargpur.
20	Attended one week STTP on 'Advanced Signal Processing' from 1 st June-5 th June 2009, by IIT Khargpur.
21	Attended one week STTP on "Digital Signal Processing in Advanced Communication" , organized by Hi-Tech Institute of Technology, Aurangabad, on 23 rd Nov – 27 th Nov 2009.
22	Attended one week STTP on 'Digital Image Processing Using MATLAB' from 15 th June-19 th June 2010, by Maharashtra Institute of Technology,Aurangabad.
23	Attended one week workshop on "Mission 10x" organized by WIPRO at JNEC, on 11 th Jan – 15 th Jan 2010.
24	Organized and attended one day workshop on "Effective Research Methodology" , Department of Electronics and Communication, Marathwada Institute of Technology, Aurangabad.
25	Attended one week STTP on "Emerging Trends in Microwave and Microstrip Devices" , organized by Department of Electronics and Communication, Marathwada Institute of Technology, Aurangabad, on 7 th – 11 th May 2012.
26	Attended one week ISTE workshop on "Introduction to Research Methodology" , conducted by IIT Bombay, on 25 th June to 4 th July 2012. The workshop was held under the National Mission on Education Through ICT(MHRD).
27	Attended one day workshop on, 'Electronic System Design and Manufacturing' 23 rd March 2012 organized by CSE Dept. in MIT,Aurangabad
28	Taken 'SITRAIN' 12 day Industrial training on 'Basic Mechatronics' from 8 th July to 20 th July 2013, at SIEMENS,Waluj,Aurangabad.
29	Attended two day workshop on, 'SCILAB' on 29 th , 30 th July 2014 organized by Department of Electrical and Electronics Engineering. in MIT,Aurangabad
30	Taken Training of 15 Days, for 'Siemens Mechatronic Systems Certification Program Level 1' , as a Certified Trainer,at Berlin, Germany.
31	Taken Training of 15 Days for Siemens Mechatronic Systems Certification Program Level 2' , as a Certified Trainer, at Berlin, Germany.

32	Attended one day workshop on “Outcome Based Education” on 27 th Sept 2014, organized by Mechanical Department, Maharashtra Institute of Technology, Aurangabad.
33	Attended Two-Weeks ISTE STTP on “CMOS, Mixed Signal and Radio Frequency VLSI Design” under MHRD NMEICT which is organized in Marathwada Institute of Technology, Aurangabad, by IIT Kharagpur during Jan 30, 2017 to Feb 04, 2017 under Blended MOOCs (Massive Open Online Courses) model.
34	Organized 3 days STTP on “Various Aspect of Power Sector” in collaboration with National Power Training Institute, Nagpur, from 19 Sept to 21 st Sept 2016.
35	Attended One week workshop on “Electric Power System” under MHRD NMEICT, IIT Kharagpur from 30 th April to 6 th May 2017.
36	Attended One Week STTP on “Implementation of IoT using Raspberry Pi and Arduino” , organized by Department of Electronics and Telecommunication and Department of Computer Science and Engineering, from 27 th June to 2 nd July 2017.
37	Organised Two week STTP on “Electric Power System” under MHRD NMEICT, IIT Kharagpur from 10 th July to 15 th July 2017.
38	Attended Two week AICTE approved FDP by IIT Bombay on “Pedagogy for online and Blended Teaching-Learning Process(FDP 201x)”
39	Organized and attended one week STTP on “Implementation of IoT using Raspberry Pi” from 31 st Dec 2018 to 4 th Jan 2019.
40	Attended One Day Workshop on “National Education Policy- Role of DBATU” on 23 rd June 2019
41	On day workshop on “NAAC-Revised Accreditation Framework”, organized by Deogiri College, Aurangabad, on 19 th June 2020.
42	Online workshop on “Universal Human Values”, organized by AICTE, on 28 Sept to 2 Oct 2020
43	Two week on-line FDP on “Research Opportunities in Electrical Engineering” under TEQIP-III, organized by Department of Electrical Engineering, from 7-16 May, 2020.(40 hrs).
44	One Week FDP on “Modern Trends in Electrical Drives(MTED)”, organized by Department of Electrical Engineering, NIT, Nagpur, from 19 th to 23 rd May 2020.
45	Three Day On line Faculty Development Program on “Recent Developments in Electrical Transmission and Distribution System”, organized by Department of Electrical Engineering, GF’s Godavari College of Engineering, Jalgaon, from 28 th to 30 th May 2020.
46	One week STTP on “Implementation of Advanced Optimization Techniques using MATLAB” organized by Electrical Engineering Department, RIT Islampur, from 1 st to 6 th June 2020
47	One Week FDP on “Recent Trends in Power System”, organized by Department of Electrical Engineering, Sharad Institute of Technology College of Engineering, Yedrav,

	Ichalkarangi. , from 22 nd to 26 th June 2020.
48	One week on line training program on “Implementation of Multi-Objective Optimization Algorithm (NSGA-II) using MATLAB”, organized by Electrical Engineering Department, RIT Islampur, from 29 th June to 3 rd July 2020
49	Online Faculty Development Programme on “Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB”, jointly organized by Electronics & ICT Academy MNIT Jaipur, Electronics & ICT Academy NIT Patna, Electronics & ICT Academy PDMA DM Jabalpur, from 13 to 24 July 2020.
50	Phase-I of Short-Term Training Program on “IoT & Advanced Power Electronics Applications in Smart Grid” Sponsored by AICTE and organized by the Department of Electrical Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik from 10th August to 14th August 2020.
51	One-week Faculty Development Programme on “Renewable Energy: Research to Industry” Organized by Electronics & ICT Academies, NIT Patna, on, 22nd Aug– 13th Sep, 2020
52	One-week AICTE Sponsored STTP on Outcome Based Education for Technical Institutions- Phase II, conducted byRajgiri School of Engineering and Technology, Kochi, from 16 th to 21 st Nov 2020.
57	Two week AICTE sponsored online FDP on “ Sustainable Energy and Smart Grid ” organized by Department of Electrical and Electronics Engineering, Gandhi Institute of Technology, Bhubaneswar, from 7/12/2020 to 17/12/2020
58	One week STTP on “ Advance Electronics Applications in Electrical Power System ”, jointly organized by DBATU and Godavari College of Engg, Jalgoan, on 22 to 26 March 2021
59	One week online FDP on “Machine Learning & Artificial Intelligence” organized by P.E.S. College of Engineering, Aurangabad , in collaboration with Dr. Babasaheb Ambedkar Technological University Lonere, Dist. Raigad under the aegis TEQIP-III., 24 – 28 March 2021.
60	Online FDP/STTP on Advanced Optimization Techniques and hands-on with MATLAB/SCILAB jointly organized by MNIT Jaipur, NIT Patna, IIIT Jabalpur, during 8th August to 19th August, 2022. This program is endorsed by NBA/AICTE/UGC.
61	Three Day FDP on “ Demystify AI ”, organized by MIT, Aurangabad in association with Findability Science, on 17-19 Oct 2022.
62	National Seminar on “ Quality Improvement in Technical Education Through Outcome Based Education ”, organized by BRCM College of Engineering and Technology. On 4 th and 5 th Nov 2022.
63	FDP on “ Adoption of NEP in Academic Curriculum ” organized by Department of Computer Science & Engineering, CUIET, Chitkara University, Punjab from 30 th November, 2022 to 1st December, 2022.
64	Attended Two Days Workshop on “ Examination Reforms ” from 23rd to 24th December, 2022 organized by Examination Cell, Maharashtra Institute of Technology, Aurangabad.

65	Attended ISTE approved Online STTP Programme on “ Quantum Computing ” held during 5th January to 9th January, 2023 organized by Department of Electronics & Telecommunication Engineering, Agnel Charites' Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra.
66	Attended ISTE approved one week STTP on “ Trends and Challenges in Electric Vehicles ” organised by Department of Electrical Engineering, ADCET, Ashta during 02nd January to 06th January, 2023.
67	Attended FDP Professional Development Program on “ Electric Vehicle Engineering ” 30/01/2023 to 03/02/2023 organized by National Institute of Technical Teachers Training and Research, NITTTR Chennai.
68	Organized and conducted three day workshop on “Battery and Its Applications in Electric Vehicle” 7-9 Sept, 2023
69	Attended STC on Clean and Green Technologies for Environment Sustainability from 27/05/2024 to 31/05/2024 organized by National Institute of Technical Teachers Training and Research, Chandigarh, Electrical Engineering Department.

List of Research Publications

International Conferences	
1	Participated in International Conference “ Microwave and Optoelectronics (ICMO) 2007 ”, organized by Dr. B.A.M.U. on 17-20 2007.
2	Selected a paper at “ Embedded System Conference ,India ”(ESC India 2008), at Bangabluru on October 14-17,2008 on “ <i>Surveillance System of Sandal Wood Forests- An Application of Zigbee Protocol using an Ultra Low Power Consumption Microcontroller MSP 430</i> ”
3	Mr. S.D.Sutawane, Prof. Mrs. S.M.Badve, Prof. Mrs.V.M.Kulkarni, “ Surveillance System of sandal wood forest ”, in international Conference on “Green-IT & Open Source” 20 th – 22 nd February, 2010 Under Q.I.P. of University of Pune.
4	Mr. S.G.Jagdale, Prof. S.G.Deshmukh, Prof. Mrs. S.M.Badave, “ Wireless Ambulatory Blood Pressure Monitoring System ” in international conference on Recent Technology ‘i-CORT’2012, at IOK COE, Shikrapur, Pune.
5	Surjerao Bhise, S.M.Badave, “Speech Recognition into ASSL” in international conference on Recent Technology ‘i-CORT’ at IOK COE, Shikrapur, Pune.
6	S.M.Badave, Dr..Z.Gandhare,Dr.A.S.Bhalchandra,Dr.M.S.Joshi, “ An Optimized Area High Throughput Pipelined FIR Filter Implementation on FPGA ” in International Conference on Energy Optimization and Control(ICEOC-2010), December 28-30, 2010.
7	S.M.Badave, “ High Throughput Pipelined FIR Filter ” in International Conference on Concurrent Techno and Enviro Search, Bhopal, December 4-5 2010, pp.
8	S.M.Badave, “ Multiplierless FIR Filter Implementation ” in First International

	Conference on Sunrise Technologies (iCOST 2011), January 13-15, 2011.
9	S.M.Badave, Dr.A.S.Bhalchandra, " Multiplierless FIR Filter Implementation on FPGA " in IEEE International Conference on Network Communication and Computer(ICNCC 2011), New Delhi, March 21-23, 2011, pp.
10	S.M.Badave, Dr.A.S.Bhalchandra, " Distributed Arithmetic: An Area Optimized Solution of FIR Filter Implementation " in IEEE 2011 World Congress on Engineering and Technology (CET 2011)(ISBN 978-1-61284-363-6), Shanghai, China, October 28-30, 2011, pp.660-663
11	Anuradha Limbraj Borkar, S.M.Badave, " Bacterial Foraging Optimization with Emotional Intelligence ", International Conference on Current Trends and Challenges in Management, Engineering, Computer Applications and Technology, on 23 rd , 24 th and 25 th March 2012.
11	Anuradha Limbraj Borkar, S.M.Badave, V.M.Kulkarni, "Intelligent Particle Swarm Optimization" International Journal of Engineering and Innovative Technology (IJEIT) Volume 1, Issue 3, March 2012, pp.41-43
12	Abhijeet Gaikwad and Mrs.S.M.Badave, " Real Time on-line Monitoring Data Acquisition System for Industrial Waste Water using LPC 2148 ", International Research Conference on Management, Technology and Engineering, 16 th June 2012.
13	Narendrasing.B.Rajput and Prof.S.M.Badave, " Handwritten English Character Recognition Using Discrete Wavelet Transform ", 2 nd IEEE International Conference on Communication and Signal Processing, 3 rd , 4 th and 5 th April 2013. Organized by Department of Electronics and Communication Engineering, Adhiparashkthi Engineering College, Melmaruvathur, Tamilnadu.
13a	Mr.Narendrasing B Rajput, S.M Rajput, S.M.Badave Handwritten Character Recognition - A Review", International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 8, October - 2012
14	M. S. B. Ranjana, S. M. Badave, P. Kiran Maroti, S. M. Mule and R. M. Kulkarni, "DC-DC current buck converter through duality approach and its DC transformer modelling for current based loads," 2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT), Nagercoil, 2016, pp. 1-5.
15	Aditi Terkar, Hemangi Baxi, S.N.Pawar, Rahul Deshpande, Mahajan Sagar Bhaskar Ranjana, S.M.Badave, "Investigation of Harmonics and Watt Loss of Capacitors Bank", 2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), 04 Jul - 06 Jul 2016,
16	Pandav Kiran Maroti, Mahajan Sagar Bhaskar Ranjana, P.Sanjeevikumar, S. M. Badave, Ruchi Pachagade " 2.4kW Three Phase Inverter for Aircraft Application- Hardware Implementation " Received a Best Paper award (Article will appear in Book Series Chapter, Springer: Lecture Notes in Electrical Engineering, March 2017). 1st Springer International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEEERE-2016), Sikkim, India.
17	Aishwarya Taur, Dr.S.M.Badave, " Revista on Design of Simulation Kit for Testing Local Control Cabinet in Gas Insulated Switchgear " IEEE Industrial and Commercial Power System Europe, pp no. 978-1-5386-5186-5, June 2018.

18	Aishwarya Taur, Sunita M.Badave, Sanjeevikumar Padmanaban, Mahajan Sagar Bhaskar, Vigna K. Ramachandaramurth, Jens Bo Holm-Nielsen, "Testing of Local Control Cabinet In Gas Insulated Switchgear Using Design of Simulation Kit - Revista" , 13 th IEEE International Conference on Compatibility, Power Electronics and Power Engg., 23 rd – 25 th April 2019.
19	Majhar Pathan ; S M Badave ; Syed Imran Ali ; Sriram Mishra , "Stabilization of Induction Motor with Fuzzy Controlled Floating DC Link Converter During Grid Voltage Disturbances", 2022 IEEE 4th International Conference on Modern Electrical and Energy System (MEES) , 20-23 October 2022, DOI: 10.1109/MEES58014.2022.10005727 https://ieeexplore.ieee.org/document/10005727/

International Journals	
1.	M. D. Pawar, S. M. Badave, " Speaker Identification System Using Wavelet Transformation And Neural Network ", In <i>International Journal Of Computer Applications In Engineering Sciences</i> , [Vol I, Special Issue On CNS , July 2011], ISSN 2231-4946, pp.228-232.
2.	Anuradha Limbraj Borkar, S.M.Badave, V.M.Kulkarni, " Intelligent Particle Swarm Optimization ", International Journal of Engineering and Innovative Technology (IJEIT), Volume 1, Issue 3, March 2012, ISSN: 2277-3754, pp.41-43
3.	Narendrasing.B.Rajput and Prof.S.M.Badave, " Handwritten Character Recognition Using Wavelet Transform ", World Journal of Science and Technology 2012, ISSN: 2231-2587.
4.	Narendrasing.B.Rajput and Prof.S.M.Badave, " Handwritten Character Recognition – A Review ", IJERT- International Journal of Engineering Research and Technology, ISSN: 2278-0181, Vol.1.issue 8(Oct 2012).
5.	Abhijeet A. Gaikawad, S.M. Badave, V.K.Pawar, " A Real Time Online Monitoring DAS for the Industrial waste Water Using ARM7 (LPC 1768) ", International Journal of Advances In Management , Technology & Engineering Services (IJAMTES), Vol.I, Issue 9 (III) , June 2012, ISSN :- 2249-7455.
6.	Abhijeet A. Gaikawad, S.M. Badave, V.K. Pawar, " A Real Time Online Monitoring DAS for the Industrial waste water Parameters using ARM7 (LPC1768)" , National Conference for Recent Advancements in Engineering (NCARE-12), Vol.4, June 2012, ISBN : 978-93-82062-41-7
7.	S.M.Badave, Dr.A.S.Bhalchandra, " Multiplierless FIR Filter Implementation on FPGA " in International Journal of Information and Electronics Engineering(IJIEE), Vol. 2, No. 3, May 2012, PP.456-459.
8.	S.M.Badave, A.S.Bhalchandra, "Critical Path Reduction of Distributed Arithmetic Based FIR Filter" in <i>International Journal of Advanced Computer Science and Applications (IJACSA)</i> , Vol. 7, No. 3, April 2016, pp.71-78.
9	Sunita Badave ¹ , Anjali Bhalchandra, "Optimized Look-up-table for minimizing Critical Path in Distributed Arithmetic based FIR Filters", Automatic Control and System

	Engineering Journal, ISSN 1687-4811, Volume 16, Issue 1, ICGST, Delaware, USA, June 2016,pp.17-26.
10	Ruchi M. Pachagade ¹ , SunitaM.Badave ² , PandavKiranMaroti, “Modulating Technique Based Cascaded Multilevel Inverter using Voltage Multiplier”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 2, February 2016.
11	Saurabh Kohli, S. B. Mahajan, S. M. Badave, P. Sanjeevikumar, Atif Iqbal, “ Finite Element Method Based Determination of Magnetic Loading of Three Phase Five Limb Transformer with Impact of DC Offset ”, Lecture Notes in Electrical Engineering book-Springer, Dec-2016. (Article will appear in Book Series Chapter, Springer: Lecture Notes in Electrical Engineering, March 2017).
12	Prutha Badave, B. Karthikeyan, S. M. Badave, Mahajan Sagar Bhaskar Ranjana, P. Sanjeevikumar, Gurjit Gill “ Health Monitoring System of Solar Photovoltaic Panel: An Internet of Things Application ” Lecture Notes in Electrical Engineering book- Springer, Dec-2016. (Article will appear in Book Series Chapter, Springer: Lecture Notes in Electrical Engineering, March 2017)
13	Aishwarya Taur, Dr.S.M.Badave, “ Designing a simulator for Control Panel Examination in Gas Insulated Switchgear ”, International Journal of Engineering Research and Technology, pp no. IJERTV7IS050295, May 2018
14	Prof. Mrs. S.M.Badave, Ketan Arun Bhavsar, “ Google Firebase, Android, BeagleBone Black and IoRT Architecture based Industrial Palletizing Robot ”, International Journal For Research and Development of Technology, Volume-X, Issue-X, 2016 ISSN (O) :- 2349-3585
15	Pranita Mane, Dr.S.M.Badave, “ IoT Based Health Monitoring of Three Phase Induction Motor ”, Journal of Applied Science and Computations, Vol VI, Issue V, May 2019.
16	Harshal D. Vaidya, Dr. S. M. Badave, Ruchita P. Dahad, “ Hardware Implementation of Non-isolated Sextuple Output Hybrid Converter ”, International Journal of Engineering Trends and Technology (IJETT) – Volume 67 Issue 11- Nov 2019, ISSN: 2231-5381, pp.174-183
17	Mohini Bhadikar Dr. S. M. Badave Ruchita P. Dahad, “Improved 15 Level Inverter Based SSA Driven Multi Level Shunt Active Power Filter For Power Quality Enhancement” The International Journal Of Analytical and Experimental Modal Analysis, Volume Xii, Issue Xi, November/2020, Pp. 1459-1473
17a	Mohini Bhadikar, Dr. S. M. Badave, Ruchita P. Dahad “Study of analysis of improved active power filter with power quality features” IJAEMA journal, VolumeXII, issueIV, April 2020. UGC-CARE Approved It Was SCOPUS Indexed.
18	Priti Jadhav, S.M.Badave, “ Travelling Salesman Problem: A Review on Optimization Techniques and Genetic Algorithm ”, International Research Journal of Innovations in Engineering and Technology(IRJIET)ISSN(online): 2581-3048Volume 4, Issue 6, pp 41-46, June-2020, pp.41-46 Google Scholar
19	Priti Vilas Jadhav, S.M. Badave, “ An Approach to Solve Travelling Salesman Problem ”

	Using Combination of GA & PSO”, Wutan Huatan Jisuan Jishu , <u>VOLUME -17-ISSUE - 2-2021</u> , pp.208-218, doi.org/10.37896/whjj17.2/601
	http://www.wthtjssj.cn/VOLUME-XVII-ISSUE-II-FEBRUARY-2021/
20	Rohini Jagdish Ingale, S.M.Badve, “ Implementation Of Automation System For Mixing Process, Journal of Interdisciplinary Cycle Research, Volume Xiii, Issue Ii, February/2021, Pp.1234-1243 (An UGC-CARE Approved Group-II Journal(Scopus Indexed till 1993)
21	Kushna Bhise, S.M.Badave, “Speed Control Of Three-Phase Induction Motor Using Asymmetrical Pwm And Fuzzy Logic”, Journal Of Interdisciplinary Cycle Research, Vol. Xiii, Issue Iii, March 2021, Pp.130-138.
22	Kushna Bhise, S.M.Badave, “A Review Of Speed Control Of Three Phase Induction Motor Using Asymmetrical Pwm Technique And Fuzzy Logic, Jicr Lournal, Vol. Xiii, Issue Iii, March-2021
23	Aakanksha R. Vaishnav, Dr. S. M. Badave, Prof. Shital M. Mule, “ Speed Control of BLDC Motor using PI and Fuzzy Logic Controller”, The International journal of analytical and experimental modal analysis, Volume XIV, Issue I, January/2022, pp.41-50
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