



# AISSMS

## COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

Approved by AICTE, New Delhi, Recognized by Government of Maharashtra  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU/PN/Engg./093 (1992))

Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes



## Department of Electronics and Telecommunication Engineering

### Faculty Profile

**Dr.Dattatraya Shankarrao Bormane**

**Date of Birth:** 2<sup>nd</sup> March 1964

Address: D-904, Amar Serenity, Pashan-SuS Road,  
Pashan Pune-21

Mobile No.:9850282286

Mail Id: [bdattatraya@yahoo.com](mailto:bdattatraya@yahoo.com),  
[principal@aissmscoe.com](mailto:principal@aissmscoe.com),  
[bdattatraya@gmail.com](mailto:bdattatraya@gmail.com)



### Professional Experience

**Experience as a Principal 22.6 years**

Sr.No.	Post	Institute	Approval
1.	Principal	RSCOPE Pune	CCO/513, dated 01/01/2008 Approval w.e.f 22/11/2007
2.	Principal	AISSMS COE PUNE	CCO/920, dated 23/05/2017 W.e.f 27/04/2017

**Total Teaching Experience: 36 Years 4 Months**

<b>Sr. No.</b>	<b>Position held</b>	<b>Name of the College / Institution</b>	<b>Nature of appointment (Temporary/ Permanent)</b>	<b>University approval letter detail*</b>
1.	Principal	AISSMS COE Pune	Permanent	CCO/920, dated 23/05/2017
2.	Director/ Principal	JSPM's Narhe Technical Campus Pune	Permanent	CCO/Appr/26, Dated 29/10/2007, CCO/513, dated 01/01/2008 Approval w.e.f22/11/2007
3.	Principal and Professor	JSPM's Rajarshi Shahu College of Engineering Pune	Permanent	CCO/Appr/26, Dated 29/10/2007, CCO/513, dated 01/01/2008 Approval w.e.f22/11/2007
4.	Principal and Professor	Bharati Vidyapeeth's College of Engineering for Women, Pune-43	Permanent	
5.	I/C principal, HOD, Assistant Professor, Lecturer	S.T.B. College Of Engineering, Tuljapur	Permanent	Acad/Aff/Coll.Change/SRD/99-2000/55509.511, Dated 22/11/99 w. e. f A. Y 1997-98 (Assistant Professor) ACAD/AFFIL/SELE.COM MI/PGT/2010-11/6049-52, dated 30/05/2011 Approval w.e.f20/07/1987 (Lecturer)

#### **CURRENT /PAST ASSOCIATION WITH VARIOUS UNIVERSITIES**

<b>Sr. No.</b>	<b>Name of bodies/committees (Senate/AC/MC/BoS/NAAC etc.)</b>	<b>Name of Institute/Body</b>	<b>Year</b>
<b>1</b>	Elected at IEI Maharashtra State Centre for E & TC division board	IEI, Maharashtra state	2023-25
<b>2</b>	Chairman BOS- Information Security, Adhoc Board	SPPU Pune	2023

3	Vice, President, IETE New Delhi	IETE New Delhi	2022
4	<input type="checkbox"/> Member Governing Council IETE New Delhi (2021-2024) <input type="checkbox"/> Chairman- Byelaw Amendments Committee <input type="checkbox"/> Chairman -Online Elections Reforms Committee <input type="checkbox"/> Member- IETE Legal Cases Advisory Committee <input type="checkbox"/> Member - Ethics Committee <input type="checkbox"/> Member- Technology Regulatory Advisory Committee (TRAC) <input type="checkbox"/> Co-Chairman, Boards of Award Committee (2021-2022) <input type="checkbox"/> Member Publication Committee <input type="checkbox"/> Member, Professional activity and Revenue Generation Committee	IETE New Delhi	2022
5	<b>Elected to Governing Board of DELNET (Developing Library Network)</b>	<b>DELNET (Developing Library Network)</b>	<b>2022</b>
6	Chairman, BOS(E&TC)	SPPU, Pune	Since 2011 to 2022
7	Member Academic council	SPPU, Pune	Since 2011
8	President of Pune City Zonal Sports Committee	SPPU Pune	Since 2019
9	Member, Board Governors Body (BOG)	PCET's PCCOE	2020
10	Member, Board Governors Body (BOG)	JSPM's RSCOE	2019
11	Member, Board Governors Body (BOG)	Sanjivani COE, Kopargaon	2019
12	Member Academic council	MIT MAE, Alandi,	2019
13	Member Academic council	MKSSS's Cummins COE	2019
14	Member Governing Body	SAE, Western India Group	2019

### Recognized Ph.D. Guide

Program	University	Approval No.	Date
Electronics & Telecommunication	SPPU Pune	BUTR/ENGG/240	31/03/2009 -30/03/2017

		BUTR/ENGG/138/2 70	31/03/2017 -30/03/2025
Computer Engineering	SPPU Pune	BOD/SCI & Tech/24/253	30/09/2019 – 01/03/2026

#### Association with Professional Bodies

Sr. No.	Name of bodies/committees (Senate/AC/MC/BoS/NAAC etc.)	Name of Institute/Body	Year
1.	IEEE Membership	IEEE	2018
2.	Member, SAE India	SAE	2018
3.	Fellow and Chartered Engineer-The Institution of Engineers	IE(I), Kolkatta	2017
4.	Senior Member, IACCSIT	IACCSIT, Singapore	2010
5.	Fellow-Institution of Electronics and Telecommunication Engineers (IETE)	IETE, Delhi	2007
6.	Indian society for continuing Engineering Education, (ISCEE)	ISCEE Roorkee	2006
7.	Indian society of technical education (ISTE)	ISTE, New Delhi	1993

#### Patent Published / Copyright & Articles Published in Reference Books/ Textbooks Details

##### Patents (19)

Sr. No.	Title of Patent	Filed -date	Published date
1.	System & Methods for recognition of human emotion	54/MUM/2015 06/01/2015	16/01/2015
2.	Side Stand for Motor Cycle	844/MUM/2015 16/03/2015	10/04/2015
3.	Design and Implementation of shielded Channel Double Gate Junction-less Metal Oxide Semiconductor transistor for low Power and high performance	4726/MUM/2015 17/12/2015	15/01/2016

4.	System for Automated Monitoring and Controlling Of Unauthorized Settlement in Urban Areas using Remote Sensing	3171/MUM/2015 30/08/2015	11/09/2015
5.	System and Method for predicting Heart Disease Risk Factor	2913/MUM/2015 01/08/2015	18/09/2015
6.	Design and Development of MEA for high peak power fast responding PEM fuel cell	201621007958 08/03/2016	15/04/2016
7	System and method for recognizing musical instrument sound using FRFT based MFCC features	201621012767 12/04/2016	13/05/2016
8	Energy Efficient Railway Tunnel	20162020163 13/06/2016	15/07/2016
9	Advance Speed Control system using wireless communication	201621017763 A 24/05/2016	01/07/2016
10	System Method for Predicting Human Emotional State	201721028401 10/08/2017	15/09/17
11	Fuzzy Rough Assisted Portable Miniature Diligent e-heart system for usability in rural areas	201821014794 18/04/2018	201821014794 18/04/2018
12	Soft Rough set based heart health monitoring system using Photoplethysmographic Waveforms	201821017915 18/04/2018	01/06/2018
13	Method, apparatus and system for finding a square root of a perfect square number	201921014084 08/04/2019 Patent no 365936	Published on 10/05/2019  Granted on 03/05/2021
14	Method, Apparatus and System for Shift and Rotate	No: 201921014067, 15/05/2019.	15/05/2019
15	Prototype development for acquisition of Maternal and Fetal ECG along with development of algorithm for extraction of	202021020732	16-05-2020

	Fetal from Maternal ECG on benchmark database	16-05-2020	
16	Method, Apparatus and System for Finding Square of a n Bit Number	201921014067 A 08/04/2019	10/05/2019
17	Method and Apparatus for Squaring operation”,	Application No: 202121022673	21/05/2021
18	Method and Apparatus for cube operation of any radix N-bit number”,	Application No: 202121023453	26/05/2021
19	Gesture based Vocalizer	202121022504 A  20/05/21	25/06/21

### Copyright: Articles Published in Reference Books/ Textbooks: 06

1. Mrs. V. H. Patil and Dr. D.S.Bormane “iVC: Video conferencing Toolkit for healthcare”, 3rd international conference on 18- 19th Dec 2006, ObCom-2006, School of Computing Sciences ,VIT, Vellore, TN. Published in book “Mobile and Ubiquitous Computing” ISBN-0230- 63011-1. PP194-199
2. Mrs. V. H. Patil and Dr. D.S. Bormane, “Super -Resolution Image Reconstruction: Overcoming The Limits Of Existing Imaging Systems”, 41st Annual Convention of Computer Society of India, November 23-25, 2006, CSI-2006, Science City, Kolkata, India. Published in book “Affordable Computing” McGraw-Hill ISBNB-0-07-062171-3. PP-7-12
3. D.S.Bormane and Dr.T.R.Sontakke, “Wavelet based approach towards noise detection and filtration”, Proceedings of the 5th WSES international conference on circuits, systems, Communications and Computers(CSCC2001), technical co-sponsored by IEEE Sp Society, Rethymno,Greece,July-8-15,2001,pp-6051-6054. Published in book, “Advances in Signal Processing and Computer Technologies” ISBN 960- 8052-37-8.
4. D.S.Bormane and Dr.T.R.Sontakke, “ Wavelet based noise detection and filtering”, Proceedings of the WSES Annual Multi-conference on Applied and Theoretical Mathematics (Dec.2001), Technical Co- sponsored by IEEE Sp. society, Cairns, Australia,Dec.17-21, 2001.Publishedinabook“Topics in applied and Theoretical Mathematics and Computer Science”,ISBN-960-8052-47-6.

5. D.S.Bormane and Dr.T.R.Sontakke, "Image De-Noising using wavelet transform," International conference on Artificial Intelligence ISAI'2001, Dec.19- 21, 2001, Fort Panala, published in a book "Artificial Intelligence-Future Trends", ISBN-81-7764-298-7.
6. SeemaKedar, D. S. Bormane "[An Approach to Predicting Physically Healthy and Unhealthy Persons Using Support Vector Machine Classifiers Based on Handwritten Text](#)", Holistic Healthcare: Possibilities and Challenges Volume 2. May 2019

#### Books Published

Sr. No.	Title of Books/Chapters	Author/s	Publisher	Year	ISBN/ISSN
1.	Television Engineering (Audio and Video System)	Dr. D S Bormane Dr. P B Mane R Ritkarkar	Wiley India Publication	Jan 2016	ISBN 10: <a href="#">8126556366</a> / ISBN 13: <a href="#">9788126556366</a>
2.	VLSI Design & Technology	Dr D S Bormane Dr Nagmode R N Chavhan V M Sardar	NiraliPrakashan	January 2014	ISBN-10 : 9381595151 ISBN-13 : 978-9381595152
3.	VLSI Design	Dr D S Bormane R N Chavhan V M Sardar	NiraliPrakashan	July 2016	ISBN Number 9789351646990

#### Research Publications -188

Sr.no	Publications	No of Publications
1	International Journals:	<b>107</b>
2	International Conference	<b>73</b>
3	National Conference	<b>16</b>
4	Patents	<b>19 (1 Patent Granted)</b>
5	Copyright	<b>6</b>

*Detail list of research publications are in annexure.*

#### Research Projects

Sr. No.	Title of the project	Date of Sanction	Names of PI/Co-I	Funding Agency	Amount
---------	----------------------	------------------	------------------	----------------	--------

		<b>and duration</b>			
1.	Effect of Yoga and Meditation on EEG signal using Wavelet transforms	2009-11	PI-Dr.D S Bormane Co-I- Dr D G Bhalke	SPPU Pune	2 lakhs
2.	Smart Health care system using wireless sensor network fund	2015-17	PI-Dr.D S Bormane Co-I- Dr.S.T.Patil	SPPU Pune	1.5 Lakhs
3.	Development of a System to Predict Heart Disease based on Graphological Analysis of Handwritten Text	2016-19	PI-Dr D S Bormane Co-I- SeemaKedar	SPPU Pune	1.5 Lakhs

### **PhD Guidance – 14 Awarded , 06- ongoing**

#### Awarded Candidate List

<b>Sr. No.</b>	<b>Name of the research student</b>	<b>Topic of Research</b>	<b>Date of Registration</b>	<b>Date of Degree awarded</b>
1.	Wadar Sushma Raju	Hardware accelerators for RISC in multimedia applications	01/07/2016	June 2021
2.	Mrs. ArchanaDikshit	“Electrocardiogram segmentation and classification for Arrhythmia detection using rough set theory”	01/07/2012	14/07/ 2020
3.	Mr. S. M. Kulkarni	“Video Stabilization using feature point matching”	09/12/2012	16/03 2020
4.	Mrs. SeemaKedar	“Development of Pattern Recognition Techniques to Predict Personality, Emotional State and Heart Disease through Graphological Analysis of Handwritten Text”	07/05/2015	14/09/ 2018
5.	Mr. A.N. Paithane	Development of physiological signal analysis Algorithm for Human Emotion Recognition.	12/07/2012	24/11/2016
6.	Mrs. Ohatkar S. N.	“A heuristics approach for interference reduction in channel assignment of cellular radio network”	12/07/2012	25/10/ 2016



7.	Mr. D. G. Bhalke	“Automatic musical Instruments classification using signal processing Techniques”	June 2008	June 2016
8.	Mrs. Godse D A	“Auto Detection and Monitoring of Diabetic Retinopathy using Super Resolution Technique on Retinal Images”	03/01/2009	24/12/2014
9.	Dr S. M. Mukane	“A Novel Approach towards scale and Rotation Invariant Content Based texture Image Retrieval”	01/01/ 2008	31/05/2013
10.	Dr. V. V. Shete	“Recognition of k complex in sleep EEG using artificial Neural Networks (Co-guide)”	19/04/2004	Nov 2012
11.	Dr. S. D. Shirbhadurkar	“Text to Speech Synthesizer For Marathi Language using Concatenative synthesis strategies”	June 2006	May 2010
12.	Dr. D. M. Yadav	“Competitive Analysis of Image Compression and Merging Facial in Wavelet Domain”	07/03/2006	14/12/ 2009
13.	Dr. S. T. Patil	“Non stationary Electroencephalograph signal analysis using wavelets”	23/10/2004	10/08/2009
14.	Mrs. V.H. Patil	“Technique for Reconstructing super resolution image using low resolution natural color Image”	24/09/2005	15/05/ 2009

Ph. d Ongoing Candidate list

Sr No	Candidate Name	Thesis Title	Date of Registration	University
1	Amol Sonawane	4G based SAR analysis for an anatomically based human head	12/02/18	SPPU, Pune
2	Rupa Kakkeri	Detection of Temporomandibular joint disorder using surface electromyography of masticatory muscles	09/02/18	SPPU, Pune
3	Vidya V Waykule	Develop an algorithm for identification and classification of plant diseases for tomato crop.	05/05/2022	SPPU, Pune
4	Shikha Jalaj Pachouly	Predictive Analytics Algorithm for Performance Prediction of students using Explainable Artificial Intelligence and Educational Data Mining	09/05/2022	SPPU, Pune
5	Prashant S Sadaphule	Development of an Ensemble model for detection of respiratory disease using deep learning in healthcare	06/05/2022	SPPU, Pune
6	Jayashree Pasalkar	Trust management platform for internet of everything using deep neural network	20/10/2022	SPPU, Pune

**Honors/Prizes/Awards Received**

Sr. No.	Name of Honor/Prize/Award	Name of agency	Year
1.	Life time achievement award in Educational	Marathwada Yuva Manch	1st Oct 2023
2.	Excellence in Education	PSD Shastri Foundation Pune	2018
3.	Best Principal of the Year 2018	Computer Society of India (CSI)Mumbai	February 2018
4.	Distinguished Leader in Engineering	Venus International Foundation, Chennai	January 2018
5.	Education Leadership Award	DNA and Star Group of the Industry	February 2018
6.	Innovative research and Excellent Professional Achievement Award	The society of Innovative Educationalist & Scientific Research Professional	Oct 2020
7.	Best Principal 2020 (Engineering)	ISTE Maharashtra and Goa Section	7 Oct 2021
8.	Best Principal in urban area under Professional Category	Savitribai Phule Pune University, Pune.	10 Feb 2022
9.	Outstanding leader in Higher Education	Elets Technomedia Pvt Ltd, Noida, UP.	10 Dec 2022

#### Achievements at Institute Level (As Principal)

Sr. No	Name of the Honors/Awards/Prizes	Agency	Institute
1	National Education Excellence Award 2021 – Best Engineering Colleges in terms of Placement and Industry Interface.	National Education Excellence Award 2021	AISSMS COE
2	Best Engineering College in India-2020	Business connect	AISSMS COE
3	Institute Awarded Best Professional College Award in 2019-20 by SPPU Pune	SPPU Pune	AISSMS COE
4	Institute Won 2 <sup>nd</sup> Prize In Start Up Competition I2E SPPU Pune in 2019-20	SPPU Pune	AISSMS COE
5	Students of AISSMS College of Engineering for securing the first place in Engineering and Technology stream, University Level SPPU Avishkar 2019 Competition which was held on 21 January, 2020.	SPPU Pune	AISSMS COE

6	AISSMSCOE Stood 2nd In Professional Colleges among Pune City In Magazine Competition for (2019-20) on 03/01/2020	SPPU Pune	AISSMS COE
7	Institute Recognized as Mentor Institute by NAAC September 2019 under Parmarsh Scheme	NAAC	AISSMS COE
8	Institution Innovation Council 19-20 – September 2019	MHRD's Innovaion cell Govt. of India	AISSMS COE
9	AISSMS COE bags first prize in Smart India Hackathon-2019. SIH - 2019, the national level competition, was held from July 8 to 12	Natinal Level CompetitionII T-Hyderabad	AISSMS COE
10	Ranking in Chronicle Magazine 2019	Chronicle	AISSMS COE
11	Centre of Excellence in Robotics and process automation - 2019	Automation Anywhere	AISSMS COE
12	Institute Accredited by NAAC with A + Grade.	NAAC Bangalore	AISSMS COE
13	Ranked among first 200 Institutes as per the survey by NIRF of MHRD in 2017-18	NIRF	AISSMS COE
14	Ranked 69 <sup>th</sup> by Times of India in pan India survey, 2018-19	Times of India	AISSMS COE
15	Ranked 39 <sup>th</sup> by higher education review magazine at National level, 2018-19	Higher education review	AISSMS COE
16	Recognition as Nodal Centre for Virtual Labs (2017-18)	IIT, Bombay	AISSMS COE
17	Rated "A" Grade, Ranked 1 <sup>st</sup> in Pune region, 69 <sup>th</sup> in India for NPTEL local chapter (2017-18)	IIT, Bombay	AISSMS COE
18	Best student chapter IE(I) award (2017-18) (2018-19)	Institution of Engineers, (India) Kolkata	AISSMS COE
19	Awards through NDRF 2017-18: 03 Awards ( Gold, Silver & Bronze) 2018-19: 02 Awards ( Gold & Silver) 2019-20 : 02 Awards( Gold & Bronze)	NDRF	AISSMS COE
20	AISSMS COE grouped under Gold Category as per AICTE -CII survey of industry technical institute 2018	AICTE -CII	AISSMS COE
21	Institutes recognition under 2(f) and 12(B) category(2016)	UGC	RSCOE

22	Permanent affiliation of 5 UG & 3 PG programs (2014-15)	SPPU, Pune	RSCOE
23	Best college award under urban category (Professional) in 2013	SPPU Pune	RSCOE
24	Five UG programs got accreditation by NBA for 2 years in two cycles (2013 & 2016)	NBA New Delhi	RSCOE
25	Establishment of Research center in Electronics/Civil/Mechanical (2014)	SPPU Pune	RSCOE
26	College is accredited by TCS with B grade (2012)	TCS	RSCOE
27	iON (TCS) has presented spirit of partnership to the college for outstanding achievement in making the GATE, the largest online aptitude assessment, an enormous and resounding success (2014)	TCS	RSCOE
28	RSCOE recognized as a college of substance (2014)	NES	RSCOE
29	Recognition of RSCOE as Nodal Centre for Virtual Labs (2016)	IIT, Bombay	RSCOE
30	Recognition of RSCOE as NPTEL local chapter (2015)	IIT, Bombay	RSCOE
31	MoU with foreign Institute	St. Zary University Canada	RSCOE

### Annexure

#### Publications:

##### **International Journal:**

#### **2024**

1. Arote, S., Mane, V., Bormane, D., & Shaikh, S. S. (2023). Multi-Microphone Speech Dereverberation and Noise Reduction using Long Short-Term Memory Networks. *International Journal of Intelligent Systems and Applications in Engineering*, 12(2), 01–09. Vol.12.No2(2024) Retrieved from <https://ijisae.org/index.php/IJISAE/article/view/4196>

#### **2023**

2. Sonawane, A., & Bormane, D. (2023). 4G based SAR analysis for anatomically based human head model using mobile phone antenna. *Multidisciplinary Science Journal*, 6(4), 2024053. <https://doi.org/10.31893/multiscience.2024053>
3. Dr R R Itkarkar, Dr D S Bormane, Design and Development of a Real Time Hand Gesture Recognition System for Indian Sign Language using Tensor Flow, *ISTE, IJTE*, vol 46 special issue July 2023
4. Kanwade AB, Magar PK, Bairagi VK, Thune NN, Itkarka R, Uke N, Bormane D. Early Diagnosis of Obstructive Airway Disease Using EMG Technique. *sms [Internet]*. 23Jan.2023 [cited 16Jul.2023];14(Spl-3):372-8.

#### **2022**

5. Roopa B. Kakkeri, Dattatraya S. Bormane, Electromyography Signal Analysis for the Detection of TMJ Disorder Using Classification Models and Multivariate Analysis, *Revue d'Intelligence Artificielle* Vol. 36, No. 3, June, 2022, pp. 503-508 Journal homepage: <http://iieta.org/journals/ria>, Page: 503-508, DOI: <https://doi.org/10.18280/ria.360320>, ISSN: 0992-499X (print); 1958-5748 (online)

Indexing & Archiving: Scopus, SCImago (SJR), 30 June 2022

6. Amol Sonawane, D S Bormane, SAR Analysis Using a Dipole Antenna in a Non-layered and Multi-layered Human Head Model , International Journal on Recent and Innovation Trends in Computing and Communication: Vol. 10 No. 1s (2022): Special Issue on Enhancement and Innovations in Exploring Engineering

## 2021

7. Dr.S.M.Kulkarn, Dr.D.S.Bormane, Dr.S.L.Nalbalwar, “Detection Of Breast Cancer Using Hybrid Feature Selection And Bayesian Optimization”, Science and Technology Publishing (SCI & TECH) ISSN: 2632-1017 Vol. 5 Issue 7, July – 2021.
8. Dr. D. S. Bormane, Amol D Sonawane, “Design and Analysis of Half Wave Dipole Antenna for SAR Measurement”, Journal of Cardiovascular Disease Research, Volume 12, Issue 3, Page 844-853, ISSN Print -0975-3583, Online - 0976-2833, July 11, 2021, DOI: [10.31838/jcdr.2021.12.03.112](https://doi.org/10.31838/jcdr.2021.12.03.112).
9. Dr. D. S. Bormane and R. B. Kakkeri, “Temporomandibular Joint Disorder with Electromyographic Evaluation in Different Age Groups.,” Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 5, 2021, Pages. 3383 - 3392
10. Dr.S.M. Kulkarni, Dr.D.S. Bormane, Dr.S.L. Nalbalwar,Face recognition by an enhanced Local tri-directional intensity pattern technique,Journal of Information and computational scienceVo 11, issue 8, 2021

## 2020

11. Mrs.RoopaKakerri, Dr. D S Bormane, “ Surface Electromyography in Detection of Temporomandibular Joint Disorders”, International Journal of Advances in Science Engineering and Technology, ISSN(p): 2321 –8991, ISSN(e): 2321 –9009 Volume-8, Issue-1, Jan.-2020.
12. AvinashPatil,S. C. Patil,D. S. Bormane, SushmaWadar, SQUARE OPERATION IMPLEMENTATION ON RECONFIGURABLE HARDWARE LOGIC TO ATTAIN HIGH SPEED, AREA OPTIMIZATION AND LOW POWER CONSUMPTION”, Journal of Mechanics of Continua and Mathematical Sciences, Special Issue, ISSN: 2454-7190, Vol. 9, pp. 33-42, May 2020, doi:10.26782/jmcms.sp1.9/2020.05.00004
13. D S Bormane, SushmaWadar, S C Patil, AvinashPatil, “Acceleration Techniques using Reconfigurable Hardware for Implementation of Floating Point Multiplier”, Helix: The Scientific Explorer, Vol. 10, No.5 , pp.8-14, 31st Oct. 2020, doi.org/10.29042/2020-105-08-14
14. SushmaWadar , D S Bormane , S C Patil, AvinashPatil, A Novel Architecture For Multi-Bit Shift And Rotate Operation, Journal Of Mechanics Of Continua And Mathematical Sciences, Special Issue, No.-9, May (2020) Pp 22-32
15. Dr.S.M.Kulkarn, Dr.D.S.Bormane, Dr.S.L.Nalbalwar, Prediction of Natural Disaster using Long Short Term Memory (LSTM), GRADIVA REVIEW JOURNAL, VOLUME 6 ISSUE 9 2020

## 2019

16. SushmaWadar, D S Bormane, ”A Fast and Optimized Architecture to Perform Multi-Bit Permutation Operation” Helix Vol. 9 (5): 5269- 5274, October 2019
17. PreetiKumbhar, Dr. D.S. Bormane, Dr. D.G. Bhalke, “Design & Analysis of MIMO Microstrip Antenna with Improved MutualCoupling”, INTERNATIONALRESEARCHJOURNAL OFENGINEERING ANDTECHNOLOGY (IRJET)E-ISSN: VOLUME: 06 ISSUE : 08 AUG 2019 NET P-ISSN:2395-0072 impact factor 7.34
18. A.Dikshit- Ratnanparkhi D S Bormane, R Ghongade.,” A frame work for optimal attribute evaluation and selection in hesitant fuzzy environment based on enhanced ordered weighted entropy approach for medical dataset”, The journal of Biomedical physics and Engineering, [J Biomed Phys Eng](https://doi.org/10.31661/jbpe.v0i0.1033). 2019 Jun; 9(3): 327–334 Published online 2019 Jun 1. doi: [10.31661/jbpe.v0i0.1033](https://doi.org/10.31661/jbpe.v0i0.1033)
19. Thorat Sunita, Bhalke D G , Bormane D S, “Design of Microstrip Patch Antenna with Enhanced Bandwidth and Harmonic Suppression for WLAN Applications”, International research journal of engineering and technology, pESSN-2395-0072, Volume 06, Issue 9, Sept 2019

## 2018

20. S.M.Kulkarni, D.S.BormaneS.L.Nalbalwar, “Performance Assessment of Robust & Efficient video stabilization algorithms based on L1-L2 optimization and s-R-t transform”,UGC approved journal, International Journal of Scientific Research and Review 64650 (ISSN 2279-543x)volume 7,Issue 4,2018 .Impact Factor - 6.1

21. SeemaKedar, Dr. D S Bormane, Online Analysis of Handwriting for Disease Diagnosis- A Review, IJET, UAE, Vol.7, No 2.33 special issue 33, 2018
22. D S Boramne,” Massive mimo: fundamentals and challenges for 5G “Internatioual journal of creative research thoughts ISSN: 2320-2882 vol 6 issue 2 april 2018.
23. Kedar Seema<sup>1</sup>, Bormane D. S.” [An approach to predict hypertension based on handwritten manuscript”](#), [Indianjournal Journal of Public Health Research & Development](#) [Year : 2018, Volume : 9, Issue : 11](#)Print ISSN : 0976-0245. Online ISSN : 0976-5506.DOI : 10.5958/0976-5506.2018.01780.1

## 2017

24. DaulappaGuranna BHALKE, Betsy RAJESH, Dattatraya Shankar BORMANE,” Automatic Genre Classification Using Fractional Fourier Transform Based Mel Frequency Cepstral Coefficient and Timbral Features”, ARCHIVES OF ACOUSTICS Vol. 42, No. 2, pp. 213–222 (2017), DOI: 10.1515/aoa-2017-0024
25. S.M.Kulkarni, D.S.BormaneS.L.Nalbalwar, “RANSAC Algorithm for Matching Inlier Correspondences in Video Stabilization”, Inder science Int. Journal of Signal and Imaging Systems Engineering, Vol. 10, No. 4, 2017, pp. 178-184, indexed by [Scopus \(Elsevier\)](#), [Emerging Sources Citation Index \(Clarivate Analytics\)](#), [cnpLINKer \(CNPIEC\)](#), [Google Scholar](#), [Inspec \(Institution of Engineering and Technology\)](#). H index :08
26. S.M.Kulkarni, D.S.BormaneS.L.Nalbalwar, “Video Stabilization Using Feature Point Matching”, IOP Journal of Physics: 787 (2017) 012017 doi:10.1088/1742-6596/787/1/01 2017, indexed by EiCompendex, SCOPUS, Inspec, Conference Proceedings Citation Index – Science (CPCI-S)(Thomson Reuters, Web of Science), NASA Astrophysics Data System, and other databases. CCISP Dubai Conference.
27. S.M.Kulkarni, D.S.BormaneS.L.Nalbalwar, “Stabilization of Jittery Videos Using Feature Point Matching Technique”, Advances in Intelligent Systems research (AISR), Atlantis Press Germany(Springer), Vol.137, Feb.2017 ISSN 1951-6851, pp728-737.
28. S.M.Kulkarni, D.S.BormaneS.L.Nalbalwar, “RANSAC Algorithm for Matching inlier Correspondences in Video Stabilization”, Advances in Image and Video Processing, (UK), ISSN 2054-7412, Volume 5, Issue 1, February 2017, pp20-30. Indexed in CrossRef, DOI, Scopus, Ulrichsweb, DBLP, arXiv, CiteSeer, Google scholar and other major indexing databases.
29. SonaliMunde, Rajashri Itkarkar, Dr. D G Bhalke, Dr. D S Bormane, “Automatic detection of text labels of hand objects for blind persons” International Journal of Electronics, Electrical and Computational Systems, ISSN 2348-117x Volume 6, Issue 8 August 2017
30. Y. V. Chavan, D. K. Mishra, D. S. Bormane, A. D. Shaligram. N. S. Mujumdar “2-D and 3-D lens model for computer vision”, © Optical Society of India, Springer Publication, DOI 10.1007/s12596-016-0386-6
31. Y. V. Chavan, D. K. Mishra, D. S. Bormane, A. D. Shaligram “Simulation of improved CMOS digital pixel sensor for computer vision” © Optical Society of India, Springer Publication, DOI 10.1007/s12596-016-0350-5

## 2016

32. S. V. Kedar, D. S. Bormane “Performance Comparison of K-NN, Minimum Distance and SVM Classifier used to predict Hypertension based on Manuscript”, International journal of signal processing Systems, ISSN 2315-4535.2016
33. A N Paithane. D S Bormane, UjwalaPatil” Novel Algorithm for Feature Extraction and Feature Selection from Electrocardiogram Signal” [International Journal of Computer Applications](#) 134(9):6-9 · January 2016 DOI: 10.5120/ijca2016907982
34. Tanuja S Khatavkar, Prof. Dr. D. S. Bormane “ 1Tb–100 km DWDM Link using only Raman Amplification Scheme over C and L band with BER of 10<sup>-20</sup>” International Journal of Electronics, Electrical and Computational System IJEECS ISSN 2348-117X Volume 5, Issue 12 December 2016
35. S. V. Kedar, D. S. Bormane, V Nair “Heart disease prediction using k-nearest Neighbor Classifier Based on handwritten Text” Springer India 2016, Computational Intelligence in Data mining-Volume 1, Advances in intelligent Systems and Computing 410, DOI 10,1007/978-81-322-2734-2\_6
36. SharadaNarsingraoOhatkar and D S Bormane “ Hybrid Channel Allocation in Cellular Network Based on GA and PSO Methods”, SCI Indexed, IET Communications, DOI:10.1049/iet-com.2015.0757, May 2016
37. Bhalke D G , Rama Rao C.B., Bormane D.S “Hybridisation of Mel Frequency Cepstral Coefficient and higher order spectral features for musical instruments classification” [Archives of Acoustics](#) 41(3):427-436 · September 2016 DOI: 10.1515/aoa-2016-0042, SCI

38. S.V.Kedar, Dr D S Bormane, "Automatic Emotion Recognition: A Systematic Review", International Journal of Innovation and Advancement in Computer Science, Academic Science, IJIACS ISSN 2347-8616 Volume 5 Issue 12 December 2016.

#### 2015

39. Bhalke D G , Rama Rao C.B., Bormane D.S. "Automatic Musical Instrument classification using Fractional Fourier Transform based-MFCC Features and Counter Propagation Neural Network", Journal of Intelligent Information Systems, Springer International Publishing 16 April 2015 DOI 10.1007/s10844-015-0360-9
40. Bhalke D G , Rama Rao C.B., Bormane D.S. "Musical Instrument Classification using Higher Order Spectra and counter propagation neural network ", Achieves of Acoustics. DOI: [10.1109/SPIN.2014.6776918](https://doi.org/10.1109/SPIN.2014.6776918), Feb 2014, SCI
41. Deepali S. Patil, Dr. D. S. Bormane, Dr. S. C. Patil, "Communication Network for Smart Grid", IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834, p-ISSN: 2278-8735. PP 35-38, 2015
42. Pooja P. Bhoir , Dr. Anil V. Nandy , Dr. D. S. Bormane , Prof. Rajashri R. Itkarkar, "Sign Language Recognition using Hidden Markov Model", IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834, p-ISSN: 2278-8735. PP 35-38, 2015
43. Renuka Mahesh Jadhav, Prof. Dr. D. S. Bormane, "Personal Authentication Using Finger Images", January 15 Volume 3 Issue 1 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 389 - 393, DOI: 10.17762/ijritcc2321-8169.150177

#### 2014

44. S.M.Kulkarni, D.S.Bormane, S.L.Nalbalwar, "Coding of video sequences using block matching motion estimation Three Step Search algorithms", International journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering Vol. 2, Issue 6, June 2014, ISSN (Print) 2321 – 5526 pp1651-1655.
45. Mr.A.N.Paithane, Dr.D.S.Bormane, Sneha.Dinde, "Human Emotion recognition using electrocardiogram signal, published in International Journal of Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, pp 194-197, February 2014.
46. T.S.Khatavkar, DR. D S Bormane, "OSNR challenge in DWDM link," International Journal of Electronics and Communication Engineering & Technology (IJECET), ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Volume 5, Issue 2, February (2014), pp. 10-20 © IAEME
47. Bhalke D G , Ram Rao C.B., Bormane D.S , "Hybridization of Fractional Fourier Transform and Acoustic Features for Musical Instrument Recognition", International Journal of Signal Processing, Image Processing and Pattern Recognition Vol.7, No.1 (2014), pp.275-282. Image fusion using tensor decomposition and co-efficient combining scheme
48. MugdhaRane , Dr. D S Bormane "Image fusion using tensor decomposition and co-efficient combining scheme" International journal of engg trends and technology vol 15, number 7 sep 2014
49. PallaviPatil, Dr. D S Bormane "Digital data hiding in image using wavelet transform" International journal of advance research in electronics and communication Engg. Feb 2014
50. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "An Optimization Technique for Efficient Channel Allocation in Cellular Network", Journal of Communications Technology and Electronics, Volume 59, No. 11, pp. 1225–1233, November 2014, © Pleiades Publishing, Inc., 2014, ISSN 1064-2269, SCI Indexed- Springer Journal
51. Mrs.SapnaN.Gaikwad, #2 Prof.Dr. D. S. Bormane, Brain MR Image Classification Using Least Squares Support Vector Machine, International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014 ISSN 2229-5518.
52. Ms.Pallavipatil, Dr. D.S. Bormane, Digital Image Watermarking Techniques Using Transform Domain, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 3, Issue 2, February 2014, ISSN: 2278 – 909X

#### 2013

53. Dr.D.S.Bormane, Prof.A.N.Paithane, Prof.Mrs.S.A.Paithane, "Digital curvelet transform based Image compression with modified SPIHT coding" International Journal of Computing Science & Communication Technologies (IJCSCT), TECHNIA, ISSN:1837-7823 APRIL 2013.
54. Deepali A. Godse, Dattatraya S. Bormane, "Automated Localization of Optic Disc in Retinal Images", International Journal of Advanced Computer Science and Applications, The Science and Information Organization, Vol. 4, No. 2, pp. 65-71, 2013 [Impact Factor: 1.324, ISSN: 2156 – 5570 (Online), 2158 – 107X (Print)].
55. Deepali A. Godse, Dattatraya S. Bormane , "High Precision Registration of Retinal Images", ICGST's International Journal of Graphics, Vision and Image Processing, Vol.13, Issue 1, pp. 11-19, Sept. 2013 [Impact Factor: 1.321, ISSN: 1687 – 398X (Print), 1687 – 3998 (Online), 1687 – 4005(CD-ROM)].

56. Deepali A. Godse, Dattatraya S. Bormane, "Auto-detection of longitudinal changes in retinal images for monitoring diabetic retinopathy", *International Journal of Computer Applications*, Vol.77, No. 1, pp. 27-32, Sept. 2013 [Impact Factor: 0.791, ISSN: 0975 – 8887].
57. Bhalke D G, Ram Rao C.B., Bormane, 'Musical Instrument Recognition Using Higher Order Moments', *CIIT International journal of Digital signal processing*, April 2013, ISSN:0974-9705, DOI042013002
58. PallaviPatil, Dr. D S Bormane "Digital water marking techniques using transform domain" *International journal of advances in Engg. & tech* May 2013
59. Prof V.V.Shete , Ashwini.Charantimath , Dr. D.S. Bormane," K-complex Detection in Sleep EEG Using Wavelet Transform and Statistical K-means algorithm", *International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering* Vol. 1, Issue 4, July 2013, ISSN 2321 – 2004 ISSN 2321 – 5526
60. V.V. Shete\*, Aswini Charithmath, D.S.Bormane and V.D. Mytri, "Hybrid approach for detection of event in sleep EEG", *Elixir Comp. Sci. & Engg.* 62 (2013) 17828-17831, ISSN 2229-712x

## 2012

61. S.M. Kulkarni, D.S. Bormane, "Single bit plane block truncation coding technique for colour image compression" *International journal of Engineering Research and Industrial Applications(IJERIA)*, ASCENT Publication, vol.5,No.II,May-2012, ISSN:0974-1518 pp443-440.
62. S.M.Kulkarni, D.S.Bormane, "Image compression using Discrete Cosine Transform Technique" *Global Research Publication, J I S R* 6(1), January-June 2012; pp. 25-36.
63. S. T. Patil, D. S. Bormane, S. B. Karthick, "Expert System for Fault Detection" *International journal of scientific and technology research (IJSTR)*, ISSN 2277-8616, Volume 1 - Issue 6, July 2012.
64. S. T. Patil, D. S. Bormane, "Human-Computer Interface for Agile Methods using Expert System" *International Journal of Engineering Research and Technology (IJERT)*, ISSN-2278-0181.Vol-1, Issue-5, July 2012.
65. Deepali A. Godse, Dattatraya S. Bormane, "Automated Pre- processing of Retinal Images", *CiiT International Journal of Biometrics and Bioinformatics*, Vol. 4, No. 6, pp.235-242, May 2012 [Impact Factor: 0.361, ISSN 0974 – 9675].
66. Deepali A. Godse, Dattatraya S. Bormane, "Automated Localization of Centre of Optic Disc and Centre of Macula in Retinal Images", *CiiT International Journal of Digital Image Processing*, Vol. 4, No. 16, pp. 896-901, Nov 2012 [Impact Factor: 0.652, ISSN 0974 – 9691].
67. Dattatraya S Bormane, Shailendrakumar M Mukane, and Sachin R Gengaje, "Rotation Invariant Texture Classification using Fuzzy Logic," *International Journal of Computer Applications*, Volume 41– No.1,41-44, March 2012. DOI: 10.5120/2952-3973. This journal impact factor is 0.814 (<http://www.ijcaonline.org/ijca-statistical-data>)
68. Shailendrakumar M Mukane, Sachin R Gengaje and Dattatraya S Bormane, "Scale Invariant Texture Classification using Fuzzy Logic," *International Journal of Scientific & Engineering Research*, Volume 3, Issue 7, July 2012, Impact Factor:1.4, ISSN No. 2229-5518. [http://www.ijser.org/ResearchPaperPublishing\\_July2012\\_Page2.aspx](http://www.ijser.org/ResearchPaperPublishing_July2012_Page2.aspx) .
69. ShanthiGuru , Dr D S Bormane "Identification of QR code based on pattern recognition with mobile phones" *International journal of mordenengg. Research* oct 2012
70. MinakshiDusane , Dr D S Bormane "feature extraction technquies for musical instruments" *International journal of computing* April 2012
71. HarshaIngale, Dr D S Bormane "Object tracking using Motion detection" *International journal of scientific research engg& tech* may 2012

## 2011

72. Shailendrakumar M Mukane, Sachin R Gengaje and Dattatraya S Bormane, " On Scale Invariance Texture Image Retrieval using Fuzzy Logic and Wavelet Co-occurrence based Features", *International Journal of Computer Applications* 18(3):10-17, March 2011.
73. Shailendrakumar M Mukane, Dattatraya S Bormane and Sachin R Gengaje, "On Size Invariance Texture Image Retrieval using Fuzzy Logic and Wavelet based Features", *International Journal of Applied Engineering Research*, Vol.6, No.6 pp. 781-794(2011).
74. Shailendrakumar M Mukane, Dattatraya S Bormane and Sachin R Gengaje, "Wavelet and Co-occurrence Matrix based Rotation Invariant Features for Texture Image Retrieval using Fuzzy Logic", *International Journal of Computer Applications* 24(7):1–5, June 2011.
75. UshaVerma, D.S. Bormane "Brain Tumor Detection in MR Images based on an Improved N-cut Algorithm" *International Journal of Graphics & Image Processing IFRSA*, Volume-1, Issue-1, August 2011, pp. 80-86.
76. Deepali A. Godse ,Dattatraya S. Bormane, "WAVELET BASED IMAGE FUSION USING PIXEL BASED MAXIMUM SELECTION RUL" *International Journal of Engineering Science and Technology (IJEST)* ISSN : 975-5462, July 2011.



77. Bhalke D G , Ram Rao C.B., Bormane D.S , “Spectrogram based Musical Instrument Identification using Hidden Markov Model (HMM) for monophonic and polyphonic music signals”, International journal of ACTA TECHNICA NAPOCENSIS Electronics and Telecommunications, Volume 52, Number 2, 2011, ISSN: 1221-6542
78. Mrs.Rajeshwari.M. Thadi, Dr.D.S.BormaneS“Video Encoding With Adaptive Image Scaling” Advances in Computational sciences and Technology.ISSN 0973-6107 Volume 4 Number 2(2011)pp.265-268 Research India Publications.2011. <http://www.ripublication.com/acst.htm>
79. S. T. Patil, Rajesh Jananekar, D S. Bormane “Advanced Data Fusion for Classification and Extraction”, International Journal of Computer Science and Information Technology (IJCSIT), ISSN-0974-8385, Vol-4, no-1, 2011 pp-7 to 14.
80. Shailendrakumar M. Mukane, Dattatraya S. Bormane, and Sachin R. Gengaje, “A novel Scale and Rotation Invariant Texture Image Retrieval method using Fuzzy Logic Classifier”, submitted to Computers and Electricals (Elsevier journal) - Under Review. journal homepage: <http://www.journals.elsevier.com/computers-and-electrical-engineering> Impact Factor: 0.837(2011), (5-Year Impact Factor:0.733 ), Imprint: ELSEVIER, ISSN: 0045-7906
81. AartiS.Gaikwad, D S bormane, “Image Denoising Using Digital Image Curvelet”, Journal of Information Engineering and Applications [www.iiste.org](http://www.iiste.org) ISSN 2224-5758 (print) ISSN 2224-896X (online) Vol 1, No.2, 2011
82. Dr. D. S. Bormane, S. D. Shirbahadurkar “TTS System for Devnagari script Using ConcatenativeSynthesis (Marathi script spoken in M.S., India)” at International Journal of Applied Engineering Research Research India Publication , New Delhi ISSN Print 0973-4562, Online 1087-1090, January 2010 issue.
83. Dr.V. H. Patil, Dr.D. S. Bormane and Dr.G. K. Kharate, Mrs Snehal.S. Kamlapur “Supre Resolution for Fast Transfer of Graphics over Internet”, Journal of Multimedia, vol-5,No-1, February-2010,pp 71-78, . Doi:10.4304/jmm.5.1.71-78
84. Dr.D.S.Bormane, Prof.A.N.Paithane,ProfMrs.S.A.Paithane “Multi Scale Curvelet Transforms Based Still Image Compression Using Set Portioning of Hierarchical Tree Coding Technique” International Journal of Computer Applications and Business Intelligence (IJCABI), ISSN 0975-0945X,vol-01,11-15 JAN 2010.
85. Dr.D.S.Bormane, Prof S.T.Patil. “Electroencephalograph signal analysis during Ujjayi Pranayama” International Journal of engg. Research &Indu. Applications (IJERIA) .ISSN 0974-1518, Vol.2, No. I (2009), pp-271-278
86. S.D Shirbahadurkar, D.S.Bormane, “Speech Synthesizer Using Concatenative Synthesis Strategy for Marathi Language (spoken in Maharashtra, India)” Paper ID- 299 by the International Joint Journal Conference in Computer Electronics & Electrical (CEE 2009, ACEEE) ISSN 1797- 9617 November 2009 issue, Academic Publisher, Finland, pp.80-82
87. S.D Shirbahadurkar, D.S.Bormane, “Text – to- speech System for Marathi Language Using Concatenative Synthesis (spoken in Maharashtra, India)” accepted by the International Journal of Intelligent Information Processing, ISSN 0973-3092, July – December 2009 issue, Serials Publisher, New Delhi
88. S.D Shirbahadurkar, D.S.BormaneR.L.Kazi, “Experiments with Unit Selection Speech Databases For TTS System Using Concatenative Synthesis for Marathi Language” (E/604) “The International Journal of Engineering Research & Industrial Application” ,ISSN 0973-9424 Volume 2,No VII, Nov-2009, ASCENT Publisher, Pune,pp.397-410
89. S. T. Patil, D. S. Bormane and Sandeep Narote, “EEG Analysis for Brain Interface” International Journal of Applied Computing” ISSN- 0974-6277, Vol-2, Issue –I, 2009. PP- 13 to 15.
90. D. S. Bormane, S T Patil “Pearl ensemble classifier Decision”, Journal of Wavelet Theory and Applications, Vol-3, NO-I, 2009. pp- 25-28.
91. Dattatraya .S. Bormane and VarshaPatil , “Image Watermarking using Wavelet” Journal of Intelligent computing and application (JICA) , Vol. 1, No.2 , July -December 2008 , pp 107-113
92. Yadav D. M., Bormane D. S.,” Evaluation of Pure Fractal and Wavelet – Fractal Image Coding Techniques” ICGST-GVGIP Journal Ezipth, ISSN: 1687-398X, Vol-8, Issue 2, July- 2008, pp-37-44. <http://www.icgst.com/gvip/Volume8/Issue2/index.html>
93. S T Patil, D S Bormane “Slow Cortical Potential signal processing for Brain Computer Interface” International Journal of Systemics, Cybernetics and Informatics, October 2007.
94. S. T. Patil, D. S. Bormane and D. G. Bharadwaj “Error Potential analysis for fast brain computer interface” Scientific and Research Journal, BharatiVidyapeeth University, Pune. Vol-V, No-2, November 2007, PP-54 to 60
95. V. H. Patil, D.S. Bormane and V.S. Pawar, “An Automated Expert Super Resolution Imaging based Process for Breast Cancer Screening” ICGST’s International journal of Graphics, Vision and Image

- Processing, Sp. Issue on Image Processing for Breast cancer Detection, July2006, pp-69-72  
<http://www.icgst.com/gvip/v6/P1150627007.html>
96. V. H. Patil and D.S. Bormane, "Wavelet for medical Image Enhancement to Assist Resizing", ICGST's International journal of Graphics, Vision and Image Processing, Sp. Issue on Wavelets, Dec 2006, Vol. 15, Issue 9, pp- 63-68. <http://www.icgst.com/gvip/v9/P1150608001.html>
  97. S. T. Patil, D. S. Bormane, "EEG Analysis during Bramari using wavelet" Mr. S. T. Patil, Dr. D. S. Bormane, "EEG Analysis during Bramari using wavelet, selected in CIT, International conference, Bhubaneswar, December 2006 , IEEE COMPUTER SOCIETY DIGITAL LIBRARY, <http://www.doi.ieee.computersociety.org/10.1109/ADCOM.2006.4289918>
  98. S. T. Patil, D. S. Bormane, "EEG Analysis using wavelet, IEEE COMPUTER SOCIETY DIGITAL LIBRARY, <http://www.doi.ieee.computersociety.org/10.1109/ICIT.2006.50>.
  99. Mr. S. T. Patil ,Dr. D. S. Bormane, "EEG Analysis during Basarika using wavelet selected in CODEC, International conference, Culcutta, Dec. 2006,IEEE COMPUTER SOCIETY DIGITAL LIBRARY, <http://www.doi.ieee.computersociety.org/10.1109/codec.2006.96>.
  - 100.V. H. Patil and D.S. Bormane, "Interpolation for Super Resolution Imaging", (CIS2E 06) December 4-14,2006, Springer Publications,pp-483-489, ISBN: 978-1-4020-6267-4
  - 101.Yadav D. M., Bormane D. S., "A Novel Hybrid Fractal- Wavelet Image Coder", International Journal of Engineering and Industrial Applications Pune, ISSN 0974-1518.
  - 102.Yadav D. M. ,Bormane D. S., "Low bit rate Hybrid Image coder using Fractal and Wavelet transform" , Communicated to World scientific Journal
  - 103.Mrs.A.B.kanwade, Dr.D. S. Bormane and Dr.S.P.Patil, "Wireless ECG monitoring system", International Journal (IJITKM).
  - 104.S T Patil "Some existence and uniqueness results for difference boundary value problems",Bulletin of Pure & Applied Sciences-Mathematics and Statistics, Vol- 29 No-2, pp 291-296.
  - 105.S. T. Patil, D. S. Bormane, et.al "High performance EEG analysis for brain Interface" Proceedings of IFMBE, Springer link, vol-23, pp-69-72, ISBN-978-3-540-92840-9
  - 106.S. T. Patil, D. S. Bormane, "EEG signal analysis during ujjai pranayama" Proceedings of IFMBE, Springer link, vol-23, pp-1-4, 2840-9, ISBN-978-3-540-92840-9
  - 107.Shailendrakumar M. Mukane, Sachin R. Gengaje and Dattatraya S. Bormane, "Scale and Rotation Invariant Texture Classification using Fuzzy Logic", submitted to Wiley Journal of Expert Systems - Under Review. <http://as.wiley.com/WileyCDA/WileyTitle/productCd-EXSY.html>, Impact Factor® is 0.684. ISSN: Print- 0266-4720, Online -1468-0394. ISI Journal Citation Reports © Ranking: 2011: 54/99 (Computer Science Theory & Methods); 81/111

International conference

1. [Amol D Sonawane; Dattatraya S Bormane , 2022 International Conference on Industry 4.0 Technology \(I4Tech\), Half Wave Dipole Antenna Performance Parameter Measurement and Comparison at 900 and 1800 MHz Frequency](#)
2. Mrs. R R Itkarkar, Dr. Vidya N Patil, Dr D S Bormane, Role of Women in science, Technology and Research, International Conference on gender equality and women empowerment, 8, March 2022
3. A. D. Sonawane and D. S. Bormane, "A Specific Absorption Rate in Human Head due to Mobile Phone Radiations: Review," 2020 International Conference on Electronics and Sustainable Communication System99s (ICESC), 2020, pp. 703-707, doi: 10.1109/ICESC48915.2020.9155777.
4. S.M. Kulkarni, D.S. Bormane, Chankya Kumar Jha , "Performance assessment of video stabilization algorithms based on L1-L2 optimization and s-R-t Transform", IEEEExplore Proceedings of 4th International conference for convergence in technology, June-2020.
5. R. Raut, A. Dikshit-Ratnaparkhi and D. Bormane," Prototype Development for Acquisition of Maternal and Fetal ECG along with Development of Algorithm for Extraction of Fetal from Maternal ECG on Benchmark Database", 2020 International Conference for Emerging Technology (INCET) Belgaum, India. Jun 5-7,2020
6. Mrs.RoopaKakerri, Dr. D S Bormane, "Analysis and Prediction of Temporomandibular Joint disorder using machine learning classification algorithms, International Conference ,Techno-Societal Oct 20,2020.,Springer conference
7. RashmiRaut, ArchanaDikshit-Ratnaparkhi, DattatrayaBormane, "[Development of Algorithm for Extraction of Fetal from Maternal ECG on Benchmark Database and Prototype Development for Acquisition](#)", 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), March 2020, pages 315-318, IEEE
8. Ohatkar S.N., Bormane D.S. (2020) Bio-inspired AI Optimization Techniques to Evaluate Data Rate and Minimize Interference in Cognitive Cellular Network. In: Kumar A., Paprzycki M., Gunjan V. (eds) International Conference on Data Science, Machine Learning and Applications ICDSMLA 2019. Lecture Notes in Electrical Engineering, vol 601. Springer,Online ISBN978-981-15-1420-3, First Online19 May 2020

9. Roopa B Kakkeri, D.S.Bormane, "Role Of Surface Electromyography In Detection Of Temporomandibular Joint Disorders: An Overview", Proceedings Of Researchfora 67 Th International Conference, Tokyo, Japan, 7th -8th October, 2019
10. ArchanaDikshit-Ratnaparkhi, DattatrayaBormane and Rajesh Ghongade, .,"Evaluation of Rough set and Fuzzy rough set models with application to multi-attribute decision making", 3rd Intrnational conference on World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2019)
11. S.M. Kulkarni, D.S. Bormane, S L Nalbalwar, "Performance assessment of video stabilization algorithms based on L1-L2 optimization" [IEEE 4th International Conference for Convergence in Technology \(I2CT\) SDMIT MANGALORE-27th- 28th Oct 2018](#)
12. [AvinashPatil](#), [S C Patil](#), D S Bormane, Sushmawadar, "A Novel Technique of Finding Square of Number To Reduce the Resources Utilized on Reconfigurable Hardware Logic", 2018 International Conference on New Trends in Engineering and Technology (ICNTET).
13. Sushmawadar, D S Bormane, [S C Patil](#), [AvinashPatil](#), "A Novel Approach to Perform Shift/Rotate and Bit Permutation Operation", 2018 International Conference on New Trends in Engineering and Technology (ICNTET)
14. Tanuja S KhatavkarDrD.S.Bormane, "Enhancing Capacity of Existing Fiber Optic Link Performance to 128 Terabit/s-km using for Multi-Pumped Raman Amplification Schem ", IEEE Conference ID:42835 12th IndiaCom 2018 IEEE 5 th International Conference on Computing e Sustainable Global Development -2018
15. ManishaGhortale, R RITkarkar, D S Boramne, "Secret- Fragment Visible Mosaic Inage Technique for Image 4. Hiding" 3rd International Conference on Advancement in Engineering, applied science amd management (ICAEASM-2017)-20 August 2017, ISBN :978-81-934288-1-8
16. ShitalGaikwad, R RITkarkar, Dr. D G Bhalke, Dr. D S Bormane "2D to 3D Image and Video Conversion Methods,7th International Conference on Research Trends in Engineering Applied Science and Management (ICRTESM-2017) 27th August 2017,ISBN:978-81-934288-2-5
17. SagarShinde, 2 Dr. R. B. Waghulade, 3 Dr. D. S. Bormane, " A new neural network based algorithm for identifying handwritten mathematical equations" 2017 International Conference on Trends in Electronics and Informatics (ICEI). doi:10.1109/icoei.2017.8300916
18. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "Hybrid Channel Allocation with GA and PSO to Reduce Call Blocking Probability in Cellular Network", Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS- CY4 2016), Udaipur, Rajasthan, India, March 19, 2016, Conference Proceedings by ACM – ICPS.
19. D. S. Bormane and S N Ohatkar,"Interference Minimization for hybrid channel allocation in Cellular network with Swarm Intelligence", the 2ndInternational Conference on Information and communication Technology for intelligent system (ICTIS 2017), DOI: 10.1007/978-3-319-63645-0\_33 March 25-26, 2017, Ahmedabad,India.
20. Sharada N. Ohatkar, Dattatraya S. Bormane, NamrataKirwai, "Optimization of Channel Assignment for Cognitive Cellular Networks", Conference on Advances in Signal Processing 2016 (CASP-2016), CCOEW, Pune, India, 9th to 11th June 2016. IEEE Xplore
21. [Sharada N. Ohatkar](#) ; [Dattatraya S. Bormane](#) ; [Shraddha V. Bodhe](#), "[Optimizing channel allocation techniques with GA-SVM for interference reduction in cellular networks](#)" Conference on Advances in Signal Processing 2016 (CASP-2016), CCOEW, Pune, India, 9th to 11th June 2016. IEEE Xplore
22. PriyankaWani, D S Bormane, U G Patil, S D Shirbhadrurkar "Automatic speech recognition of isolated words in Hindi language" August 2016 International Conference on Computing Communication Control and automation (ICCUBEA) DOI: 10.1109/ICCUBEA.2016.7860101 Aug 2016
23. Dhiraj D. Kadam, Shailaja C. Patil and D.S. Bormane, "Wireless Healthcare Monitoring System" © Springer International Publishing , Techno-Societal 2016, Proceedings of the International Conference on Advanced Technologies for Societal Applications DOI 10.1007/978-3-319-53556-2\_15 (16-17)
24. S. Toro, A. Patil, Y. V. Chavan, S. C. Patil, D. S. Bormane and S. Wadar, "Division operation based on Vedic mathematics," 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT),Pune, 2016, pp. 450-454. doi:10.1109/ICAECCT.December2016.7942630<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7942630&isnumber=7942544>
25. S. Toro, S. Wadar, Y. V. Chavan, S. C. Patil, D. S. Bormane and A. Patil, "External memory interface for RISC controller on reconfigurable hardware logic," 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT), Pune, December 2016, pp. 455-460.doi:10.1109/ICAECCT.2016.7942631URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7942631&isnumber=7942544>
26. S.V.Kedar,Dr D S Bormane,AaditiDhadwal,ShiwaliAlone,RashiAgrawal"Automatic Emotion Recognition through Handwriting Analysis: Review" 2015 International Conference on Computing Communication Control and Automation 978-1-4799-6892-3/15 2015 IEEE DOI 10.1109/ICCUBA.2015.162

27. S.M.Kulkarni, D.S.Bormane ,S.L.Nalbalwar, "Coding of video Sequences using Three Step Search Technique" International Conference on Advances in computing, communication and control ICAC3'15, Elsevier publication, DOI:10.1016/j.procs.2015.04.225, Procedia Computer Science 49(2015) 42-49
28. Mr.A.N.Paithane, Dr.D.S.Bormane "Analysis of Electrocardiogram Signal to Extract the Features for Human Emotions Recognition Using Hilbert Huang Transform" Presented in international Conference on Computational Intelligence and computing research (ICCIC 2015) ,Coimbatore, Tamilnadu, India, will be Published in IEEE Xplore digital library with CFP1420J-ART ISBN: 978-1-4799-3975-6.
29. Mr.A.N.Paithane, Dr.D.S.Bormane "Electrocardiogram Signal Analysis using Empirical Mode Decomposition and Hilbert Spectrum," Accepted in IEEE International conference on Pervasive computing (ICPC 2015), Pune, will be published in IEEE Xplore in January 2015.
30. Mr.A.N.Paithane, Dr.D.S.Bormane "Analysis of Nonlinear and Non-Stationary Signal to Extract the Features Using Fi-Fu Approach of Hilbert Huang Transform" Accepted in International Conference of World Academy of Science, Engineering and Technology (WASET), Kaula Lumpur, Malaysia, will be published in the proceeding, indexed by Thomson Reuters Web of science.
31. " Analysis of Non-Linear & Non- Stationary signal to extract the features using Hilbert Huang Transform" International Conference on Circuits syatem& devices (ICCS) WASET, Kaula Lumpur, Malasia, February 12-13 , 2015, 2015,563-566
32. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "Channel Allocation Technique with Genetic Algorithm for minimizing Call Blocking Probability in Cellular Network", at ICIC 2015, COEP, Pune, pp 783-788, 28 to 30 May 2015 IEEE Xplore
33. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "Bio-Inspired Heuristic Algorithm to Reduce Call Blocking Probability in Hybrid Channel Allocation of Cellular Network", ICTTM 2015 (A Refereed International Conference), IIT Delhi, New Delhi. 11-12 April 2015 Emerald Group Publishing (India) private limited
34. " Electrocardiogram signal Analysis using Empirical Mode Decompostion& Hilbert Spectrum" A.N. Paithane, D. S. Bormane, IEEE Conference on Pervasive Computing (ICPC)2015,pp-1-4.
35. " A.N. Paithane, D. S. Bormane " Analysis of Nonlinear &Nn stationary signal to Extract feature using Fi-Fu algorithm, IEEE International Conference on Computational Intelligence & Computing Reasearch (ICCIC) 2015, 962-965
36. S V Kedar, D S Bormane, "Automatic Personality Assessment: A Systematic Review" 2015 International Conference on Information Processing (ICIP) Vishwakarma Institute of Technology. Dec 16-19, 2015, 978-1-4673-7758-4/15/\$31.00 ©2015 IEEE
37. Mr.A.N.Paithane, Dr.D.S.Bormane, Sneha.Dinde, "Feature Extraction of Electrocardiogram Signal", Published in the Proceedings of Elsevier Publication, 978-93-5107-221-8, March 2014.
38. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "An Approach for Interference Reduction in Cellular Network", Eleventh ICWOCN 2014 , Vijayawada, Andhra Pradesh, INDIA 11th, 12th and 13th of September 2014. IEEE Xplore
39. Bhalke D G , Ram Rao C.B., Bormane D.S. , "Fractional Fourier Transform Based Features for Musical Instrument Recognition using Machine Learning Techniques "Proceedings of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2013 , Advances in Intelligent Systems and Computing Volume 247, 2014, pp 155-163, springer publishing
40. S.M.Kulkarni, D.S.Bormane, S.L.Nalbalwar , "Region of interest based coding technique applied to CT and MRI Images for Medical image compression:", Paper presented in the ARTcom conference organized by ACEEE held in Sept.2013 and paper is published in Elsevier Proceedings pp 20-26.
41. SharadaNarsingraoOhatkar and Dattatraya S. Bormane, "Channel Allocation Technique with Genetic Algorithm for Interference Reduction in Cellular Network " 2013 Annual IEEE India Conference (INDICON) at IIT Bombay , Mumbai , India on 13-15 December, 2013. IEEE Xplore
42. D.G.Bhalke, Dr. D. S. Bormane, "Dynamic Time Warping Technique for Musical Instrument Recognition" International conference on ICETECT 2011,!ISBN:978-1-4244-7924-5
43. S.M. Mukane, S.R. Gengaje, and D.S. Bormane, "Novel Hybridized Wavelet and Co-occurrence Features for Texture Classification and Retrieval using Fuzzy Logic", IEEE Proceeding of International Conference On Computational Intelligence and Computing Research (2011 IEEE ICCIC), Kanyakumari (Tamilnadu), India, pp. 968-971, 15-18 Dec. 2011. ISBN: 978-1-61284-766-5, IEEE catalog Number: CFP1120J-PRT.
44. [Comparison of different CBIR techniques M Madugunki, DS Bormane, S Bhadoria, CG Dethe 2011 3rd International Conference on Electronics Computer Technology 4, 372-375, 2011 402011](#)
45. Kolekar, S.V., Sanjeevi, S.G., Bormane, D.S. (2011). Acquisition of User's Learning Styles Using Log Mining Analysis through Web Usage Mining Process. In: Watada, J., Phillips-Wren, G., Jain, L.C., Howlett, R.J. (eds) Intelligent Decision Technologies. Smart Innovation, Systems and Technologies, vol 10. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/978-3-642-22194-1\\_80](https://doi.org/10.1007/978-3-642-22194-1_80)
46. SonalShirke, Dr. D. S. Bormane, "A Novel approach for Face Recognition Using Local Binary Pattern "International conference on Computer Science & Information Technology 2011.



47. S.D Shirbahadurkar, D.S.BormaneR.L.Kazi ,“Subjective and Spectrogram Analysis of Speech guSynthesizer for Marathi TTS Using Concatenative Synthesis“ paper Id 54 accepted by International conference on Recent Trends in Information Telecommunication and computing –ITC 2010 (ACEEE-CPS) , 12-13 March 2010 Cochin, Kerala, India, IEEE COMPUTER SOCIETY.
48. D.S.Bormane, S.D Shirbahadurkar, U.D.Shurkar ,“Performance of Marathi Language TTS Synthesis on Perceptual test and spectrogram analysis” paper Id B 446 “2010 The 2nd IEEE International conference on Computer and Automation Engineering ,ICCAE , 26-28 February 2010,Singapore,IEEE COMPUTER SOCIETY
49. S.D Shirbahadurkar, D.S.BormaneR.L.Kazi ,“TTS System for improved naturalness with unit selection Speech Databases Using Concatenative Synthesis for Marathi Language “ paper Id CCITA 105, “International Conference on computing, communication and Information technology Application” 21-23 January 2010 at VIBJ college of Engg& Technology Coimbatore, India (CSI society).
50. SuchetaKolekar, Dr. D. S. Bormane, Dr. S. G. Sanjeevi, “Learning style recognition using artificial neural network for adaptive user interface in e-learning” IEEE International Conference on Computational Intelligence and Computer Research at Tamilnadu College of Engineering, Coimbatore, 28-29 Dec 2010.
51. SuchetaKolekar, Dr. D. S. Bormane, Dr. S. G. Sanjeevi, “The framework of an Adaptive User Interface in E-learning environment using Artificial Neural Network” as a Regular Research Paper in International conference on E-learning, E-business, Enterprise Information Systems and E-government (EEE’10) at Las Vegas, USA (12-15 July 2010).
52. S.M. Mukane, Dr.S.R.Gengaje, and Dr.D.S.Bormane, “Content Based Texture Image Retrieval using Fuzzy Logic” IEEE Proceeding of Int. Conf. On Modeling, Simulation and Control (978-1-4244-8823-0/10), Cairo, Egypt, pp.473-478, 2-4 Nov. 2010.
53. S.M. Mukane, Dr.D.S.Bormane, and Dr.S.R.Gengaje, On Feature Selection for Content Based Texture Image Retrieval of Bark and Fabric Textures using Fuzzy Logic, IEEE Proceeding of Int. Conf. On Computer Engineering and Technology, Jodhapur (Rajasthan) India, pp. C53-C59, 13-14 Nov. 2010.
54. S.D Shirbahadurkar, D.S.Bormane, “Marathi Language Speech Synthesize UsingConcatenative Synthesis Strategy (Spoken in Maharashtra, India)” Paper ID No. M210 “2009 Second International Conference on Machine Vision (ICMV 2009)” 28-30 December 2009, Dubai, UAE, IEEE COMPUTER SOCIETY, PP-181-185(ISBN 978-0-7695-39 http://doi.ieeeecomputersociety.org/10.1109/ICMV.2009.52
55. V. H. Patil, D. S. Bormane and V. S. Pawar, “Super Resolution using Neural Network”, Second Asia International Conference on Modeling & Simulation AMS 2008,13-15 May Malaysia, pp-492-496, doi.ieeeecomputersociety.org /10.1109/ AMS 2008.140
56. Dr.D.S.Bormane, Mr.A.N.Paithane, Mr.S.M.Hambarde “FPGA for Image compression using hybrid transform” A international conference on Emerging Trends in Electronics,Computing,Embedded system and VLSI(ICEVD-08), Ahmednagar,20-21 March 2008,pp.146
57. Dr.D.S.Bormane, Mr.A.N.Paithane, Ms.U.G.Patil “On-line and Off-line character of Vehicles License plate recognition using distance measuring method” A international conference on Cognition and Recognition (ICCR-08),Mysore,11-12 April 2008.
58. V. H. Patil, D. S. Bormane and H. K. Patil, “Color Super Resolution Image Reconstruction”, International Conference on Computational Intelligence and Multimedia Applications, ICCIMA 2007, Shivkashi (TN) ,13-15 Dec 2007, IEEE COMPUTER SOCIETY, PP-366-370 http://doi.ieeeecomputersociety.org/10.1109/ICCIMA.2007.129
59. V. H. Patil, D. S. Bormane and G. K. Kharate, “Resolution Enhancement Using Parallel Computing”, International Conference on Intelligence and Advance Systems ICIAS 2007, 25th-28th Nov 2007 Kuala Lumpur, Malaysia IEEE COMPUTER SOCIETY
60. V. H. Patil, D. S. Bormane and H. K. Patil, “Real Time Super Resolution Image Reconstruction”, International Conference on Intelligence and Advance Systems ICIAS 2007, 25th-28th Nov 2007 Kuala Lumpur, Malaysia IEEE COMPUTER SOCIETY
61. V. H. Patil and D.S. Bormane, “Biomedical Images Resolution Enhancement” International Conference on Advances in Computer Vision and Information Technology Aurangabad, 28-30 November 2007 pp-637 - 643
62. V. H. Patil, D.S. Bormane and V.S. Pawar, “Industry Institute Interaction : The Need”, International Conference on Teaching and Learning (ICTL 2007), November 15 - 16, 2007, Putrajaya, Malaysia
63. V. H. Patil and D.S. Bormane, “Learning Based Super Resolution Imaging”, International Conference On Information & Communication Technology IICT 2007, 26-28 July 2007, Deharadun, PP- 375- 379
64. V. H. Patil and D.S. Bormane, “Super Resolution for Network Aware Applications”, BAI 2007, International Conference on Business and Information, Tokyo, Japan, July 11-13, 2007 PP- 39
65. V. H. Patil and D.S. Bormane, “Super Resolution Image Quality Metric”, International Conference on Systemic, Cybernetics and Informatics ( ICSCI - 2007 ) , Pentagram Research Center, Hyderabad, January 03 - 07, 2007, pp-722-725

66. Mr. S. T. Patil, Dr. D. S. Bormane, "EEG Analysis during Kapalbhathi", International conference, ICEMCC – PESIT, Bangalore, August 2006
67. Dr. Bormane D S , Yadav D M ,Borse R.C, "Performance Analysis of Image Coding Techniques", international conference, systemic, cybernetics and informatics, ICSCI2006, Hyderabad
68. S. T. Patil, D. S. Bormane, "Electroencephalograph signal analysis" Proceedings of 9th International Conference on Information technology, ACM, 2006, pp 26-32, ISBN:0-7695- 2635-7.
69. V. H. Patil and D.S. Bormane, "Wavelet Based Interpolation for Super Resolution Imaging", International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 06) December 4 - 14, 2006, Technically Co-Sponsored by: Institute of Electrical & Electronics Engineers (IEEE) University of Bridgeport, Springer Publications, pp-483-489
70. V. H. Patil and D.S. Bormane, "Super Resolution in Medical Imaging for An Automated Proficient Process", The conference " International Congress of Imaging Science' 06" ICIS06 organized by The Society for Imaging Science and Technology, New York, USA, 7-11 May 2006, pp 406-409.
71. V. H. Patil and D.S. Bormane, "Super Resolution Image Reconstruction: Technical Review", International Conference on Resource Utilization and Intelligent Systems, 4-6 Jan 2006 at KonguEngg College, Perundurai, Erode (TN), pp-91
72. Dr.D.S.Bormane, Mr. Mule S B, "Spatially Adaptive wavelet thresholding for image denoising", International Conference on Human machine interference – Bangalore 20-23, Dec 2004
73. D.S.Bormane, Dr.T.R.Sontakke," Impulsive Noise Removal Using Generalized Mean Technique", TMRF, Annals, vol.1, No.1, May2001, PP-53-62, International conference ISACA'2000, Fort Panala.
74. D.S.Bormane, Dr.T.R.Sontakke," A Deductive logic towards Elimination of Impulsive Noise using ROM Processing techniques", TMRF, Annals, vol.1, No.1, May2001, PP-63-71, International Conference ISACA'2000,Fort Panala.
75. D.S.Bormane, Dr.T.R.Sontakke, " De-noising using Rank-Ordered Wavelet Coefficients," Proceedings of the international conference on energy, Automation and Information Technology, EAIT-2001, IIT Kharagpur,Dec.10-12, 2001, pp-384-389.

National Journal: 01

1. Bhalke D G , Ram Rao C.B., Bormane," Musical instrument Recognition using Hybrid feature set", IETE National Journal of Innovation and Research, ISSN:2320-8961, July 2013

National Conference: 16

2. Usha Verma and D. S. Bormane, "Brain Tumor Detection in MR image", National Conference on Advances in Signal Processing and Communications, Pune, 18-19 February, 2011.
3. S.M. Mukane, D.S. Bormane, and S.R. Gengaje, "Review of Content Based Texture Image Retrieval Methods", Proceeding of National Conf. on Electronics, Communication & Automation, Pandharpur (Maharashtra), India, pp. 212-218, 23-24 Dec. 2008
4. Mrs. V. H. Patil and D.S. Bormane, "Wavelet Transform and Wavelet Families: A Study Report", Utkarsh 2007, Jan 2007, Vivekananda Education Society's Institute of Technology Sindhi Society Chembur, Mumbai-71, pp-231-239
5. S.D.Shirbahadurkar, D.S.Bormane "Review of speech recognition system for Marathi word" proceedings of National Conference at RajarshiShahu College of Engineering, Pune in collaboration with IEEE student chapter on 16 – 17 th April 2007,pp 7-10
6. Mr.Bhalke D.G. , S.D.Shirbahadurkar, D.S.Bormane "Vocal tract Acoustics and Speech synthesis" Proceedings of National Conference at RajarshiShahu College of Engineering, Pune in Collaboration with IEEE student Chapter on 16 – 17 th April 2007, pp.27-31
7. Dr.Bormane D S, "A Novel method for detection of event and spike in long term monitoring for epilepsy" , National conference TSYGECA- 06 A Technical symposium at Government Engineering, Aurangabad.
8. Mr.Patil S.T., Dr.Bormane D.S., Dr.Sontakke T.R. "Image Compression using transform Coding," National conference TSYGECA-06 A Technical symposium at Government Engineering, Aurangabad.
9. Mr.Patil S.T., Dr.Bormane D.S. "Fast changing dynamic and high non-stationary EEG analysis using time-frequency domain," National conference TSYGECA-06 A Technical symposium at Government Engineering, Aurangabad.
10. Mr.Patil S.R. ,Dr.Bormane D.S.,Dr.Sontakke T.R. "Image Compression using block truncation coding technique," National conference TSYGECA-06 A Technical Symposium at Government Engineering, Aurangabad.
11. Mr. D.S. Bormane and V. H. Patil, "Fast Algorithm for Super Resolution", Tsygeca06, A state level technical symposium, Govt. Engg College, Aurangabad, 23-24 Jan 2006, pp 54-58

12. Mr.Patil S T, Dr.Bormane D. S. "Electroencephalograph signal Analysis During Bramari," 2006 IEEE international conference on computer and information technology, Seoul, Korea, Sept. 20-22, 2006.
13. Dr. D. S. Bormane, Mr.Patil S T "4G Trends for Bright Future in Mobile communication System" National Level paper presentation BVCON-2005 Sangli.
14. Dr. D. S. Bormane, Mr.Patil S T, "Broadband Multi-Carrier Based Air Interface "National Level paper presentation BVCON-2005 Sangli
15. Mr.S.T.Patil, Dr.D S Bormane, "Dynamic Electroencephalograph Signal Analysis using multiresolution time Frequency" BICON2005, BVDU COE, Pune-43.
16. Dr. D. S. Bormane, Mr. Mule S B, "Image noise filtering with adaptive wavelet thresholding", National Conference on Control Instrumentation & Systems CISCON-2004. Manipal Institute of Technology, Manipal. 5,6 Nov 2004.
17. D.S.Bormane, Dr.T.R.Sontakke, " A Deductive logic towards Elimination of Impulsive Noise using Rank-ordered Mean Processing techniques", Proceeding of National Conference on, Intelligent and Efficient Electrical Systems, NCIEES- 2001, Coimbatore, PP.55-59, Jan-19-20, 2001.
18. Dr.D.S.Bormane, Mr.Yadav D.M., "A Novel technique for Image Coding using Fractal Transform" National conference at College of Engineering, Osmanabad