

FACULTY PROFILE



Name of the Faculty	Dr. Mrunal S. Bewoor				
Designation	Associate Professor				
Department	Computer Engineering				
Date of Birth	10/11/1975				
Date of Joining the Institution	10/08/2001				
Educational Qualification	Ph. D, M.E. Computer				
Contact Details	9850627767	Ext.-020 24107225			
Total Experience in Years	Teaching	Industry	Research		
	22	03	18		
Area of Specialization	System Softwares, Text Mining				
Courses Taught	DMGT,SP,OS,DS,UID,DOS AI,MMA,MBS,PDS				
Papers Published in Journals	National	International			
	-	52			
Papers Presented in Conferences	National	International			
	10	12			
Research Profile	No. of Citations	h-index	i10-index		
	110	6	4		
Research Guidance	UG	PG	Ph.D.		
	100	20	-		
Research Identity	Orchid Id	orcid.org0000-0002-8892-1239			
	ISI Research Id	K-7128-2017			
	Scopus Id	24829188800			
	Google Scholar Id	7s1pTggAAAAJ			
	Microsoft Academic Id	BewoorMrunal			
Research Grants Received	--				
IPRs/Patents/ Copyright	Published 01				

Journal Publications

- 1) M. S. Bewoor, S H Patil " System for Document Summarization using Graph in Text Mining' IJAET ISSN:2231-1963 VOL 1, Issue,2011
- 2) M. S. Bewoor,Prof. S. H. Patil . ' New Trends In Face Recognition Using Maximum Confidence Hidden Markov Model', International Journal of Advances in Engineering & Technology(IJAET,) 2011
- 3) M. S. Bewoor, Sarala Dabhade, ' Face Recognition using principal component analysis 'International Journal of Computer Application, , 2011
- 4) Manisha marathe, Dr. S. H. Patil, G. V. Garje, M.S. Bewoor , ' Extracting content blocks from web page' International journal of recent trends in Engineering , Vol. 2, No. 4, 2009 , 2009
- 5) Giri Virat,M S Bewoor Apte S S' K-Means Driven Single Document Summarization' International Journal of Computer Application & Business Intelligence, Vol 1 Number 2 ISSN 0975-945X,, Apr 2010
- 6) M. S. Bewoor,Prof. S. H. Patil , ' Query-Specific Text Summarization Using Density Based Clustering', Review of knowledge Management,.Vol, No, 1, Jan-June 2011, 2011
- 7) M. S. Bewoor,Prof. S. H. Patil 'Query-Specific Text Summarization using Density Based Clustering.' International Journal of Computer Networks and its Security. 'July 2011,
- 8) M.S.Bewoor, Dr.S.H.Patil,'Improved search engine using cluster ontology ' International Journal of Advances in Engineering & Technology ISSN: 2231-1963, , Vol 5,No 1,Jan-June 2011,PP 1-6., 2011
- 9) M.S.Bewoor, Dr.S.H.Patil 'System for document summarization using graphs in text mining, International Journal of Advances Engineering & Technology, ISSN: 2231-1963,
- 10) M.S. Bewoor' Comparison between graph based document summarization method and clustering method', International Journal of Advances Engineering & Technology, ISSN: 2231-1963, Vol. 1, Issue 5, pp. 118-125. Nov 2011
- 11) M.S. Bewoor' ' Query Dependent Single Document Summarization using Partitional Clustering: K Means Clustering Approach', IJCSET, June 2011 ISSN: 2231-071, Vol 1, Issue 9 ,2011.
- 12) M.S. Bewoor' 'Improved Cluster Based Search Engine', International Journal of Advances Engineering & Technology, ISSN: 2231-1963, Vol. 1, Issue 5, pp. 118-125. Nov 2011
- 13) M. S. Bewoor S.H. Patil" Query Dependent single Document Summarization Using Partitional Clustering K-Means Clustering",IJCSET,June-2011 2231-071, Vol 1, Issue 9
- 14) Prof.M.S. Bewoor' 'Improved Cluster Based Search Engine' International Journal of Engineering Research and Industrial Applications, Vol 5,No.1 PP.37-46, Feb 2012
- 15) M.S.Bewoor, 'Context Sensitive Text Summarization Using K means Clustering Algorithm' International Journal of Soft Computing and Engineering(IJCSE, Vol 2 Issue 2 May12

- 16) . M. S. Bewoor,, 'Query Specific ROCK Clustering Algorithm for Text Summarization', International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 Vol. 2, Issue 3, , pp.2617-2620, Jun 2012 ,
- 17) Sarala Dabhade, M. S. Bewoor , 'Rapid face recognition technology using eigen faces and gabor filter 'International Journal of Science and Applied Information Technology ISSN:2278-3083 , Vol 1, No 4, Sept -Oct 2012
- 18) Harshal . Jain , Prof. M.S. Bewoor,, 'Performance analysis of fuzzy C means clustering algorithm in context sensitive text 'International Journal of Research Trends in Engineering & Vol 2(5), Issue 5, Sept-Oct 2012
- 19) Laxmi S.Patil , Prof. M.S. Bewoor , 'Cluster Based Text Summarization using Graph Theoretic Clustering Algorithm with the Use of Natural Language Processing 'International Journal of Research Trends in Engineering & Science(IJRITES) ISSN 2277-3258 (Online) ,2012
- 20) Meghana N. Ingole, Prof. M.S. Bewoor , 'Text Summarization using Expectation Maximization Clustering Algorithm ',International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 , Vol. 2, Issue 4, , pp.168-171 July-August 2012
- 21) Sarala Dabhade,Prof. M. S. Bewoor,' Real Time Face Detection and recognition using Haar -Based Cascade Classifier PCA ',Vol 1 Issue 1,August 2012
- 22) Madhuri k.Gawali,Prof.M.S.Bewoor,Dr.S.H.Patil,' Optimal approach for text Summarization 'International Journal of Computer Engineering and Technology(IJCET) ISSN 0976-6367(Print) ISSN 0976-6375(online) ,Volume 4, Issue 4 July-Aug 2013. Page No.462-46,
- 23) Prof. S. H. Patil ,Mrs. M.S. Bewoor Mrs. D.D Pawar,' Context based indexing in text summarization using lexical association ',International Journal of Engineering research and technology (IJERT) ISSN : 2278-0181, Vol- 2 , Issue 12, Dec2013
- 24) Ms.Roma V Jumnani,Prof.M.S.Bewoor,Dr.S.H,' Evaluator And Comparator :Document Summary Generation Based On Quantitative And Qualitative Metrics , International Journal Of Scientific And Engineering Research , Vol.4,Issue 5,May 2013,Pg 1111-1115,ISSN 2229-5518 , , 2013
- 25) Ms.Roma V Jumnani,Prof.M.S.Bewoor,Dr.S.H.Patil , ' Automation Tool For Evaluation Of The Quality Of NLP Based Text Summary Generated Through Summarization And Clustering Techniques', International Journal Of Computer Engineering & Technology(IJCET) , Vol.4 ,Issue 3,May-June 2013,Pg 77 - 85, ISSN 0976 – 6367(Print) ISSN 0976 – 6375(Online) , 2013
- 26) D.D. Pawar ,M. S. Bewoor,Prof. S. H. Patil,' Application of text rank algorithm for context based indexing in text summarization ',Vol. 3, Issue 7, July 2014-
- 27) M. S. Bewoor, S. H. Patil " Use of Machine Learning algorithms for Document Summarization", International Journal of Engineering Technology and Applied Research , ISSN:2347-9396,
- 28) Volume 1,No:2 ,July 2014Patil Madhavi Sampatrao, Prof. M. S. Bewoor ,," Enhancing the performance of cluster based text summarization using support vector machine ',IJRET: International Journal of Research in Engineering and Technology, IJRET: International Journal of Research in Engineering and Technology,, ISSN: 2319-1163, Volume: 03 Issue: 12 | DEC-2014
- 29) M. S. Patil,M. S. Bewoor,S. H. Patil ,," A Hybrid Approach forExtractive Document Summarization Using Machine Learning and Clustering Technique, International

- Journalof Computer Science and Information Technologies,, Vol. 5 (2) ,2014, 1584-1586
- 30) D.D. Pawar ,M. S. Bewoor,Prof. S. H. Patil," Context Based Indexing in Text Summarization Using Lexical Association", International Journal of Engineering Research and Technology, ISSN: 20181,Vol. 2 Issue 12,2 December – 2013P.No.- 17-\|
- 31) D.D. Pawar ,M. S. Bewoor,Prof. S. H. Patil,Text Rank: A Novel Concept for Extraction Based Text summarization?,Journal of Computer Science and Information Technologies, ISSN: 0975-9646Vol. 5 (3) , 2014,May2014P.No-3301 – 3304
- 32) Pramod Salunkhe,M. S. Bewoor," A Research Work on English to Marathi Hybrid Translation System", IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (3) , 2015, 2557-2560,ISSN:0945-9646
- 33) Pramod Salunkhe,M. S. Bewoor Suhas Patil,Shashank Joshi,Aniket Kadam,Summarization and Hybrid Machine Translation System for English to Marathi: A Research Effort in Information Retrieval System (H-Machine Translation",**Discovery, The International Daily journa ISSN 2278 – 5469 EISSN 2278 – 5450 2015 Discovery Publication.**
- 34) Mrs. Meghana P. Lokhande, Mrs. Namrata Gawande, Mrs. Shweta Koprade Mrs. M. Runal S. Bewoor Text Summarization Using Hierarchical Clustering Algorithm And Expectation Maximization Clustering Algorithm", International Journal of Computer Engineering & Technology (IJCET) ,Volume 6, Issue 10, Oct 2015, pp. 58-65,
- 35) Anup Tawdar, Mrunal Bewoor, S. H. Patil" Web Document Mining using Incremental Approach of Neural Network in BPP Published in Volume 3 Issue 11 , November-2016
- 36) Anup Tawdar, Mrunal Bewoor, S. H. Patil "Incremental Approach of Neural Network in Back Propagation Algorithms for Web Data Mining" International Journalof Computer Science and Information Technologies,, Vol. 5 (2) ,2014, 1584-1586
- 37) Komal Dhabale M. S. Bewoor, "A Survey on Methods of Information Extraction from Social Media Site"International Journal of Control Theory and Applications ,Vol 9,Issue 44,Dec 2016
- 38) Supriya Salunkhe, M. S. Bewoor,"Use of Hidden Markov Model to Enhance the Performance of density Based Document Summarization"International Journal of Control Theory and Applications ,Vol 10,Issue 14,
- 39) Mrunal S. Bewoor, Puneet Arora,Abhishek Bist,Nishant Yadav," Smart Web Crawler",International Engineering Research Journal, www.iernjournal.org,2017,
- 40) M. S. Bewoor, S. H. Patil "Analysis of Document Condensation Techniques" ,JEAS 2017,Volume-12,Issue21.
- 41) M.S. Bewoor,S.H. Patil," Empirical Analysis of Single and Multi Document Summarization Using Clustering Algorithms",ETASR,2018,Volume 8,Issue-1
- 42) Komal Dhabale M. S. Bewoor, "A Novel Approach To Develop Business Model For E-Commerce Using Customer Review Through Social Media", IOAB, 2018 ,Volume 9,Issue special
- 43) Komal Dhabale M. S. Bewoor, ",Relevance Model for Business Growth Using Product recommendation", IJRASET,2017,Volume 5,Issue 12.
- 44) Tushar Tikkoo,M. S. Bewoor,"Safe Home: Novel LPG Leakage Detection System",IJIRT,2019, Volume 5, Issue 12.

- 45) Shrey Sood,Deepak Yadav,M. S. Bewoor , "IOT based Home Automation System",IJIRT,2019,Volume 6, Issue 1.
- 46) Shruti Kudagi,Suhas Patil, Mrunal Bewoor, "Survey on Crop Disease Prediction using different techniques for Crop Yield Prediction", CLIO An Annual Interdisciplinary Journal of History, Volume-6,Issue-3,ISSN:0976-075X,April-2020.
- 47) Shruti Kutagi, Suhas Patil , Mrunal Bewoor, "Sugarcane Crop Disease Prediction and Expected Yield Estimation Using SV" International Journal of Advanced Science and Technology Vol. 29, No. 4s, Year 2020, PP-2936-2945
- 48) Prajakta Chidderwar, Prof. Dr. Naveenkumar,Prof. Dr. M. S. Bewoor, A Model to Measure Credibility of Information of Social Platform",IJRECE,Vol-8,Issue-1,ISSN-2393-9028,Jan-Mar 2020
- 49) Poonam Desai, Prof. Dr. Amol Kadam, Prof. Dr. M.S. Bewoor, "An Approach for Prediction of Obstructive Sleep Apnea", IJRECE,Vol-8,Issue-1ISSN-2393-9028,Jan-Mar 2020
- 50) Priyanka Kamble, Aditya Sarda,Prof. Dr. S.D. Joahi, Dr. M.S. Bewoor An Efficient Auditing System for Secure Cloud Storage",IJITEE,ISSN-2278-3075,Vol-9,Issue-6, April 2020
- 51) Pratima Thorat ,Prof .Dr. M.,S Bewoor," Novel Approach for Voice Based Text Summarizer", Adalya Journal, June 2020
- 52) Sonali Tangi, Dr. Pramod Kumar,Dr. Mrunal Bewoor, " Intrusion Detection System to develop a Novel Approach using BPNN", Solid State Technology ,Volume 64, Issue :2,Year 2021

- **National Conferences.**

- 1.M. S. Bewoor, Prof. S.H. Patil , 'Chat Monitoring System', NATIONAL CONFERENCE on Trends of Computational Technology in Engineering, Oct 15-16 2004.
- 2.M.S..Bewoor , Prof. S.H. Patil , ' Extraction of content Blocks from web pages', NACCA2006- 07
3. M.S.Bewoor, Prof. S.H. Patil,' Remote Installation Component', NATIONAL CONFERENCE on Information Technology: Present Practices and Challenges', Aug 31st Sept 1 2007
4. M.S.Bewoor, Prof. S.H. Patil,, ' Wireless & communication technology' NATIONAL CONFERENCE. on Recent trends in IT, NCICT 2010(23,24 DEC), 2010
5. M.S.Bewoor, Prof. S.H. Patil, Text Document Summarization comparison using Query Dependent Clustering Technique', Knowledge Engineering,2011
- 6 M.S.Bewoor, Prof. S.H. Patil,' Document Summarization Using Graph Based Method in Data Mining', Proceeding: National Technical Symposium on Advancements in Computig Technologies(NTSACT), 2011
7. Mrs. M.S. Bewoor Prof. S. H. Patil,, ' Context Sensitive Document Summarization using document term indexing with Lexical Association ',2014 National Conference on Innovations in IT and Management (NCI2TM) . 2014
- 8 Mrs. M.S. Bewoor Prof. S. H. Patil,, "Survey on Extractive Text Summarization Approach" 2014 National Conference on Innovations in IT and Management (NCI2TM)

- International Conferences
 1. Mrs. M.S. Bewoor ‘Online Global Business Management System’, Proceeding of IC on Recent Trends in Information System, Jan 6-8 2006Pp-476-482.
 2. M. S. Bewoor, S. H. Patil ,‘Fracture Detection using image analysis’ International Conference on Systerics,Cybernetics & Informatics,2006.
 3. M. S. Bewoor,’Quickzip’, International Conference on Systerics,Cybernetics & Informatics,2008.
 4.)M. S. Bewoor, S. H. Patil,’ Finding content blocks from web pages’, AVCOE Sangamner,2009.
 5. M. S. Bewoor, S. H. Patil ‘ Summarization of Text Document using Query Dependent partition Clustering Algorithm’, INTERNATIONAL CONFERENCE. GIT 2010,
 6. B Mrunal, S.H Patil,,’ Summarization of Text Document using Query Dependent parsing technique’
 7. M. S. Bewoor,’ Face Recognition using principal component analysis & log gabor filter’ INTERNATIONAL CONFERENCE on sunrise Technology, 13-15 Jan 2011
 8. M. S. Bewoor,’ Summarization and Hybrid Machine Translation System for English to Marathi :A Research Effort in Information Retrieval system’, International Conference on Computing ,Communication ,Electrical ,Electronics, Devices and Signal Processing,

Training Programmes Attended:

- Staff Development Programme for Engineering Colleges(Phase-I” at NITTR Extension centre Pune
- Fuzzy Logic and it’s Application in Engineeringby BVUCOE and Indian Society for Hydraulics at BVDUCOE,Pune
- Unified Modelling Language 26/02/2004 by IEEE branch of BVCOE,in association with TCS at BVUCOE,Pune
- Personal Effectiveness And Career Progression on at BVDUCOE,Pune
- Cyber Security Awareness at BVDUCOE,Pune
- Leadership Development “4 Minutes A Mile at BVDUCOE,Pune
- Mantaras For Personal Effectiveness,at BVUCOE,Pune
- “Women Empowerment” at BVDUCOE,Pune
- IBM SEED (RSA) by WebTEch Lab,from at BVDUCOE,Pune
- Preparation of Research Proposal to Funding AgenciesAt BVDUCOE,Pune
- Patent Writing and Filing at BVDUCOE, Pune
- ACM India Workshop on Assessment at Department of Technology SPPU,Pune
- Leadership Management, BVDUCOE,Pune
- One week FDP on Python Programming by BVCOEW,Pune
- Two weeks international FDP on Emerging Trends in Industry 4.0 technically sponsored by ACM by RSCOE,Pune
- STTP on Emotional Intelligence Using AI,ML and Python by Build my Project in Association with Make X Singapore
- Preparing for NBA accreditation with a case study of course and program outcome attainment: , by AISSMS,Pune

	<ul style="list-style-type: none"> • AICTE Sponsored one week online STTP on ‘ Machine Learning Algorithms and Applications in Data Science ‘from 7th to 12th September 2020 • IIC online sessions IIC of MHRD Innovation Cell, New Delhi from 28/4/2020 to 22/05/2020 • Innovation Ambassador Training (Total 16 Sessions) conducted by MoE’s Innovation Cell and AICTE from 30/6/2021 to 30/7/2021 • FDP by NITTER Chennai on ‘Instructional Material Development from 23/8/2021 to 27/08/2021
Membership of Professional Bodies	: ISTE Life member with no LM-49169
Awards/ Achievements	--
Additional Activities/ Responsibilities	<ul style="list-style-type: none"> ✓ Member of Board of Studies Bharati Vidyapeeth (Deemed to be University),Pune ✓ Organizing committee members for FDPs conducted by the department for IBM (RSA) and Virtualization Vsphere ✓ Conduction of guest lectures as a TEQIP co-ordinator from the department ✓ Unit Test Co-ordinator ✓ PG co-ordinator from Aug 2008 to 2013, 2019-20220 ✓ Organizing committee member for Proyacto for Bharatiyan ✓ Workshop co-ordinator fort syllabus revision workshop ✓ Incharge for EPST event conducted in Feb 2016 ✓ Member of Executive council for Alumni association BV(DU), COE,Pune ✓ NPTEL-Swayam courses co-ordinator ✓ Guardian Faculty for B.Tech Comp-Sem-I & II ✓ IIC Activity co-ordinator ✓ Member Board of Studies in Department of Information Technology at WIT, Solapur ✓ Recognized as Ph.D guide at BharainVidyapeeth (Deemed to be) University,Puuue. ✓ Organized field visits under IIC