Curriculum Vitae of Dhananjay Ramrao Kalbande

Designation :	Professor Dean (Industry Relations)
Department :	Computer Engineering
Current Employee	Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology, Mumbai.
Date of Joining the Institution :	11th Aug. 2000

Qualifications:	UG	B.E. Computer	Nagpur Univ.1997
	PG	M.E. Info.Tech.	Mumbai Univ.2005
	Ph.D.	Ph.D (Technology)	Mumbai Univ.July 2011

Post-PhD Qualification:	P.D.F.	Post-Doctoral Fellow	Tata Institute of Social Sciences (TISS), Mumbai 2016-17
	S.R.F.	Senior Research Fellow	Tata Institute of Social Sciences (TISS), Mumbai From July 23,2016 to Oct 10, 2016 On the project funded by National Commission for Women(NCW),Govt. of India.
	Research Fellowship	Fellowship	Tata Trust & M.I.T.(U.S.A.)on CLIx-Project From Feb 20,2017 to May 19,2017

Total Experience in years :	Teaching	Admin		Industry	Research	Entrepreneur/ Start-up
	20 Years	7 Years (HoD) Apr.2012 to 31st Oct.2019 3 years(Dean) : Jan 01,2017 to till date		6 Months	6 years	Mar 12,2018 to till date

Papers Published:	National	International
	7	126

Books Published	6
	1. Graphical User Interface (GUI) (Elective Subject) for B.E. IT branch, Published By Pareen Publication, Mumbai. 2. Management Information System(MIS) for B.E. I.T & Computers

	branch, Published By Pareen Publication, Mumbai.
	3. Human Machine Interaction ,By Wiley Publications,2015
	4. Digital Forensic , By Wiley Publication,2016,Re-print(2019)
	5. Internet of Everything , By StarEdu Solutions(USA)-(2020)
	6. UI Design:Key to Captivate User Understanding by SYBGEN in Jan 2021.
Professional Memberships :	IEEE (93816789), ACM(3842437)
Consultancy Activities :	1. Developed and maintaining Engineering Examination Software under Sardar Patel Consultancy Services of S.P.I.T. since from 2005 to 2010. 2. Consultant for software development of smart and AI based travel website in the year 2014. 3. Conssultant for software development of LMS system in the year 2014. 4. Consultant for software development of construction website in the year 2014.
Grants fetched :	1.Received Sanctioned Letter from UGC for Minor research Project 2012-13 2. Grant from National Science & Technology Entrepreneurship Development board (NSTEDB), DST, Govt. of India, New Delhi. 3. University Research Grant for the year 2010-2011. 4. University Research Grant for the year 2011-2012. 5. (Co-investigator) University Research Grant for the year 2013-2014.
Interaction Inside the Institute:	1. IEDC Advisor for DST Granted Projects in S.P.I.T. 2. R&D committee member of S.P.I.T. 3. E-cell Chair (2010 to till date) 4. Industry institute interaction (IIC) Cell chair (2014 to till date) Handling internship activities with startups/companies with which MoU has been made. 5. President . Institute Innovation Cell under aegis of MHRD's GOI,Innovation Cell 2018-19 till date
Interaction with the Professional Institution:	1. Reviewer at various National & International Conferences like IEEE/ACM/Springer and Journal: Elsevier 2. Member of LIC committee of University of Mumbai. 3. Member of Syllabus committee for designing course curriculum (UG and PG) of University of Mumbai. 4. Member of Result Moderation Committee of University of Mumbai. 5. Examiner for M.E. and Ph.D. thesis evaluation in Computer Engg. And Information Technology. 6. Expert and resource person to deliver and conduct the talk on accreditation process and evaluation of SAR 7. Expert to evaluate the Result Processing Software for MSBTE, Mumbai, India.

	8. Technical Expert in the Scrutiny Work assigned by the AICTE, New Delhi, India. 9. Ex-Member ,Adhoc Board of Studies, Computer Engineering,, University of Mumbai 10. Ex-Chairman,Adhoc BOS, M.C.A., University of Mumbai. 11. Subject Expert and VC-Nominee Member for conducting Interviews of University Staff Selection Committee (USSC) of University of Mumbai. 12. Member, Scrutiny Committee, Affiliation Section, University of Mumbai. 13. Co-Coordinator(Mumbai Sub-urban), AVISHKAR,University of Mumbai. 14. Advisory Board: ICICC-2019 Springer Conference, New Delhi. 15: As mentor in Maharashtra State Skill Development Society (MSSDS) in association with National Skill Development Corporation (NSDC) for state level skill competition for level 3 at L&T STA Madh, Oct 2021.
Subjects taught till today	**UG (B.E. /B.Tech. Level) :** C++,Java: Programming Language, Computer Arch.& Organization Computer Networks, Advanced Microprocessor, Neural Network & Fuzzy Systems, .Human Computer Interaction/HMI, Artificial Intelligence and Soft Computing **P.G.(M.E./M.Tech Level) :** MIS,.E-business Technology, Decision Making & Adaptive Business Intelligence, Advanced Soft Computing, User Experience Design,NNFL. **PhD:** Modules in Research Methodology and Course work
Workshop/STTP/Seminar conducted and coordinated	*23* 1. Conducted one month training program on Office Automation in Bharati Vidyapeeth Institute of Technology, Navi Mumbai. 2. Conducted two days short term course on Data Mining & Warehousing in Sardar Patel college of Engineering, Mumbai. 3. Conducted Workshop on Network Simulator at Thakur College of Engineering And Technology, Mumbai 4. Conducted and trainer for the two-days workshop on Neural network & fuzzy logic from 20th & 21st March.2009. 5. Coordinated & conducted the two-week Application development certificate programme (STTP) on VB.Net & ADO.Net from 22nd June to 4th July.2009. 6. Coordinated & conducted the 8-days Application development certificate programme (STTP) on VB.Net & ADO.Net from 22nd Aug to 1st Sept.2009. 7. Coordinated 1-day workshop on software testing on 12th march 2010 8. Coordinated & Conducted the 2-days Application development certificate programme (STTP) on VB.Net & ADO.Net from 6th

	to 7th march 2010.
	9. Conducted a session on PC Assembly organized by CSI S.P.I.T. Chapter on 14th March 2010
	10. Coordinated and conducted the 2-days workshop on Neural Network & Fuzzy Logic (NNFL) from 27th to 28th March 2010.
	11. Coordinated and conducted one week STTP on VB. Net & ADO .Net from 7th to 15th Aug 2010.
	12. Conducted a session on Network Simulator 2.0 at ISTE approved workshop in THAKUR ENGG.COLLEGE, Kandivali,Mumbai.
	13. Conducted seminar on "Designing Neural Network using Java Object Oriented Neural Engine (JOONE) and Neural Easy Tool for Pattern Recognition" on 24th February 2010 under the national state level seminar on "Artificial Intelligence and its Application" organized by Modern College of Engineering with University of Pune under QIP.
	14. Coordinated & Conducted the 4-days Application development certificate programme (STTP) on VB.Net & ADO.Net from 7th Aug to 11th Aug 2012
	15. Coordinated the 3-days Application development certificate programme (STTP) on Ruby on Rails from 15th Sept to 17th Sept 2012.
	16. Coordinated and conducted the 2-days workshop on Human Computer Interaction from 16th and 17th Feb. 2013.
	17. Coordinated and conducted the 2-days workshop on Soft Computing and Neuro Morphic Engineering from 7th and 8th Feb. 2014.
	18. Conducted two days session in one week ISTE approved STTP on Outcome Based Education : Accreditation and Quality Assurance from 17-21 Nov 2014 at Fr.CRCE,Bandra,Mumbai.
	19. Conducted one day workshop on Outcome Based Accreditation and Acade`mic Learning Process on 16th Jan 2015.
	20. Coordinated and conducted the 2-days workshop on Soft Computing and its practices from 10th and 11th July. 2015.
	21. Coordinated and conducted the 5-days workshop on Emerging technologies from 22nd Dec 2016 to 27th Dec. 2016.
	22. Conducted Tutorial on Transfer Learning at Pre- Conference Symposium of ICICC-2019(Springer Sponsored) , at Guru Nanak Institute of Management, New Delhi, India on 16th March 2019.
	23. Conducted webinar on "AI in Health Sector" on 9th June 2020 at Shah and Anchor Kutchhi Engineering College, Mumbai, India.
Continuous Education Program /FDPs	1. Attended One day CEP on IDD Design Methodology at IIT Bombay in Dec 2009.
	2. One week ISTE approved STTP on Digital Forensic from 11-5 Nov.2014 at Fr.CRCE, Bandra, Mumbai.
	3. Participated and completed Online FDP on "Data Science " from 7th Sept to 11th Sept 2020 at School of IT , RGPV, Bhopal, MP,

	India.
	4. Participated and completed Online FDP on "Medical Image Processing and Deep Learning technologies " from 21st Sept to 25th Sept 2020 at Panimalar Inst.of Technology, India.
Industrial Training / Workshop	1. Delivered hands-on on Net. Simulator in ISTE approved workshop at Thakur Engg. college.
	2. Delivered Seminar on "Designing Neural Network using JooNE "at Modern Engg.Coll, with Univ. Of pune, under QIP grant.
	3. Attended 3 days International Conf. on Operation Management organized by SOMS, at NITIE from 17-19 Dec.2010
	4. Delivered Expert Talk on Research Proposal Preparation and current research trends in 2-days workshop on "Research Proposal and Technical Paper writing" organized by S.P.I.T., 10,11 April 2015.
	5. Delivered a talk on Research Proposal Writing and Current Research Trends in One Day National Workshop on "Trends in Big Data and Hadoop" organized by Pillai HOC COET,Rasayani on 11th April 2015.
	6. Delivered Expert Talk on Research Proposal Preparation and current research trends in 2-days workshop on "Research Proposal and Technical Paper writing" organized by S.P.I.T., 8th and 9th April 2016.
	7. Delivered Expert Talk on "CO-PO Attainment" in ISTE Approved One week STTP on Outcome Based Education - Innovative Teaching Learning Practices and Evaluation 2nd May to 06th May, 2016, SPIT, Mumbai.
	8. Delivered a talk on "Articulation of CO" in AICTE-ISTE Induction/Refresher Programme on 3rd May to 9th May 2018.
	9. Attended two days workshop on AI/ML by IEEE Bombay Section, at NITIE 10th and 11 th Aug.2018.
	10. Coordinated Seminar on Shaping a Data science curriculum: Unleashing Potential of Big Data ,IoT, Machine Learning and AI by SAS Institute and SPIT on 27/11/18 to 29/11/2018.
	11. Attended 4-days Online Course on Examination Reforms conducted during 22-25 April, 2020 organized by AICTE.
	12. Attended 3-days Digital Symposium on AI for India from 26th Aug to 28th Aug.2020 by JIO, AI Division India.

List of Publications and Research:

NATIONAL JOURNAL[02]

1. D.R.Kalbande, Dr.G.T.Thampi, S.Sawalekar," TPM "Total productive Maintenance": A case study in Manufacturing Industry", IIIE (National Journal of Indian Institute of Industrial Engineering) Journal,India Oct .2010.

2. Anjali Shrikant Yeole and Dhananjay Ramrao Kalbande , "IoT Technology Stack: Whole Host of Technology", CSI Communications, Volume No 44 , Issue No. 1, April 2020 , special issue on Internet of things

INTERNATIONAL JOURNAL [28]

1. D.R.Kalbande, Dr.G.T.Thampi, "Multi-attribute and Multi-criteria Decision Making Model for technology selection using fuzzy logic", Technia – International Journal of Computing Science and Communication Technologies, IJCSCT Vol. 2, Issue 1, India ,July 2009.

2. D.R.Kalbande, Manish Singh ,"Incidence Handling & Response System", International Journal of Computer Science & Information Security IJCSIS, Vol. 2, June 2009, ISSN 1947-5500.(IMPACT FACTOR: 0.423)

3. D.R.Kalbande, Dr.G.T.Thampi "Fuzzy neural model (FNM) for selecting ERP Technologies in a ongoing project settings", Issue in CiiT International Journal of Artificial Intelligent Systems and Machine Learning Print: ISSN 0974 – 9667 & Online: ISSN 0974 – 9543, Nov. 2009 , (DOI: AIML112009005, IMPACT FACTOR: 0.763)

4. Shekhar Shah,D.R.Kalbande,Rudani,Presha Shah ,"Algorithm to access Office Files on Mobile Phones, Proceedings of International Journal of Computer Application (IJCA), ISSN: 0975 8887, Number 3, Article -4 March 2011 and also Published by Foundation of Computer Science. BibTeX

5. D.R.Kalbande, Dr.G.T.Thampi , "An Empirical Formulation of cost of technology acquisition and cost reduction: A case study in Manufacturing Industries ,International Journal of Industrial Engineering and Technology (IJIET), March 2011., ISSN 0974 - 3146 Volume 3, Number 2(2011),pp.215-222.

6. D. Kalbande, N. Deotale, P. Singhal, S. Shah, and G. Thampi, "An Advanced Technology Selection Model using Neuro Fuzzy Algorithm for Electronic Toll Collection System", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 2, No. 4, 2011 ,pp.97-104. Impact Factor: 1.324

7. D.R.Kalbande, Harsh Panchal,Nisha Swaminathan ,Preeti Ramraj, "ANFIS Based SPAM Filtering Model for Social Networking Websites", *International Journal of Computer Applications* 44(11):32-36, April 2012. Published by Foundation of Computer Science, New York, USA.,DOI : 10.5120/6310-8635 ISSN: 0975 – 8887

8. Smita Patil, Yogita Mane, Kanchan Dabre, Puneet Devan, D.Kalbande,"An efficient Recommender System Using Collaborative Filtering Method with K-Means Approach" , International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622,Mar'12, Page no. 30-35.Impact Factor: 5.011

9. Priyanka Kulkarni, D.R.Kalbande, Neelam Gulrajani, Srinath Warrior "Smart Card based Android Application for Public Transport Ticketing System", *International Journal of Computer Applications* 60(11):29-32, December 2012. Published by Foundation of Computer Science, New York, USA,DOI: 10.5120/9738-4289. ISSN:0975-8887

10. Mahendra Mehra,Kailas Devadkar, Dhananjay.R.Kalbande, "Mobile Cloud based Compiler : A Novel Framework For Academia", International Journal of Advancements in Research & Technology,Volume 2,Issue4,April 2013 Page 445 ISSN 2278 7763.

11. Nilakshi Jain , Dr. Dhananjay R Kalbande, "Physical and Cyber Crime Using Digital Forensic Approach : A Complete Digital Forensic Tool", accepted in Springer Book "Advances in Computing and Management" 2016 proceedings .

12. Nilakshi Jain , Dr. Dhananjay R Kalbande ,"A Comparative Study Based Digital Forensic Tool A Complete Automated Tool", IJoFCS-International Journal of Forensic Computer Science ,Vol-09, Issue-01, pp 15-22 , October-2014 ISSN: 1980-7333.

13. Nilakshi Jain , Dr. Dhananjay R Kalbande ,Digital Forensic Models: A Complete Literature Review Published paper in IJSRD-International Journal of Scientific Research & Development Vol-01, Iss-01, Mar-2013 ISSN: 2320-7477.

14. Nilakshi Jain , Dr. Dhananjay R Kalbande ,Comparative Digital Forensic Model ,Published paper International Journal of Innovative Research in Science, Engineering and Technology Vol. 2, Issue 8, August 2013 ISSN: 2319-8753.

15. D.R.Kalbande,Surendra Rathod, " Software development for Course and Program Outcome attainment" presented and published in Journal of Engineering Education Transformations, Volume, No, Month 2015, ISSN 2349-2473, eISSN 2394-1707, at College of Engineering ,Pune. ,Jan 2016, **DOI**: 10.16920/jeet/2016/v0i0/85634 .

16. Surendra Rathod,D.R.Kalbande "Improving Laboratory Experiences in Engineering Education", presented and published in Journal of Engineering Education Transformations, Volume, No, Month 2015, ISSN 2349-2473, eISSN 2394-1707, at College of Engineering ,Pune. ,Jan 2016, **DOI**: 10.16920/jeet/2016/v29i4/90712

17. Mrs. Aarti M. Karande, Dr. D.R. Kalbande," Soft Computing Approach for Measuring Business Process Agility in an Agile Environment", International Journal of Computer Applications (0975 – 8887), Foundation of Computer Science (FCS), NY, USA ,.June 17. **DOI:** 10.5120/ijca2017914534

18. Aarti Karande, D.R.Kalbande ," Selection of Enterprize Architecture based on agile parameters for SCM-based Case Study" , published in Scholedge International Journal of Business policy & Governance ,ISSN: 2394-3351, Vol04, Issue 05(2017) Pg.36-55.DOI : 10.19085/journal.sijbpg040501

19. Aarti Karande, D.R.Kalbande ," Agile Parameter Affecting Supply Chain Mangement Strategy", published in Int.Journal of Supply Chain Mgmt., Vol.6, No.4, Dec 2017. ISSN : 2050-7399.

20. Swati Kulkarni, Dhananjay Kalbande, Surekha Dholay and Avinash Sharma," Cost Optimized Hybrid System in Digital Advertising Using Machine Learning," Journal of Computational and Theoretical Nanoscience(JCTN)-Apr.2019.

21. Deepak Kapgate, Dhananjay Kalbande, Urmila Sharwankar, An optimized facial stimuli paradigmfor hybrid SSVEP+P300 brain computer interface" Journal of Neurosurgical Sciences, Publisher - EDIZIONI MINERVA MEDICA, July 2019. DOI : 10.23736/S0390-5616.19.04755-6, ISSN : 1827-1855, Science Citation Index Expanded (SCIE) & SCOPUS.

22. Deepak Kapgate, Dhananjay Kalbande, Urmila Sharwankar , "Adaptive classification to reduce non-stationarity in visual evoked potential brain-computer interfaces" , Bio-Algorithms and Med-Systems Journal, July 2019 , Publisher - WALTER DE GRUYTER, DOI : 10.1515/bams-2019-0020, ISSN: 1896-530X, ESCI (Thomson & Reuter)& SCOPUS.

23. Dr.Anjali Yeole Dhananjay Kalbande ," Security and privacy issues in IoT devices and sensors networks:Machine learning to the rescue" , at Springer book titled "Internet of Things, Smart Computing and Technology :A road map ahead" from 'Studies in System, Decision , and control', Springer Book Series (Scopus Indexed", Abstract accepted for Jan 2020 book series.

24. Surekha Arjapure, Dhananjay Kalbande," Pothole detection using Deep Learning classifiers", at International Journal of Recent Technology and Engineering (IJRTE),Scopus Indexed ,ISSN: 2277-38378, Vol-8, March 2020.DOI: 10.35940/ijrte.F7349.038620

25. Dhananjay Kalbande; Rohit Naik; Janvi Jatakia; Uday Khopkar," An artificial intelligence approach for the recognition of early stages of eczema" , at International Journal of Medical Engineering and Informatics, Inderscience Publisher, 2020 Vol.12 No.1, pp.52 – 61, DOI: 10.1504/IJMEI.2020.105656.

26. Vedant Kumar, Siddhant Kumar, Parth Shingala, Pradhuman Singh, Dhananjay Kalbande," AI Powered Holistic Solution for Travelers During Pandemic", at International Journal of Engineering and Advanced Technology (IJEAT), (Scopus Indexed), Volume-9 Issue-6, August 2020, DOI: 10.35940/ijeat.F1428.089620.

27. Vrushali Joshi, Sarah Hawa, Shriya Akella, Shrishti Kaushik, Dhananjay Kalbande," Analysis of Therapy Transcripts using Natural Language Processing," at International Journal of Engineering and Advanced Technology (IJEAT),(Scopus Indexed), Volume-9 Issue-6, August 2020.

28. Garima Kaushik, Shaney Mantri, Shrishti Kaushik, Dr Dhananjay Kalbande, Dr B. N. Chaudhari. "ANALYSIS OF EFFECTIVENESS OF QUARANTINE MEASURES IN CONTROLLING COVID-19." Journal of Critical Reviews 7.13 (Aug. 2020), 1655-1665. Print. doi:10.31838/jcr.07.16.261., http://www.jcreview.com/index.php?mno=98957., Also available at : medRxiv preprint doi: https://doi.org/10.1101/2020.04.21.20074245.

NATIONAL CONFERENCE [6]

1. D.R.Kalbande, "MIS for Knowledge Management in the organization" ,National Conference at Bannari Amman Inst.of Technology, Tamil Nadu, India, 2005.

2. D.R.Kalbande,"Network Intrusion and detection Mechanism" , National Conference at Govt.College Engg., Aurangabad, 2005.

3. D.R.Kalbande ,"A Novel Idea to speed up the customer business in the context of Indian railways" , K.J.Somaiya College of Engineering, Mumbai, 2006.

4. Swati Iyer, Neelam Gulrajani, D.R.Kalbande, "Systolic Arrays and Recursion : A new approach for matrix multiplication" , National Conference on "Recent Advances in Computer Vision and Information Technology", Government College of Technology, Coimbatore, March 2010.

5. S.khan,D.R.Kalbande,"Machine Learning model for Efficient Product Categorization" ,National Conference on Eco-Friendly Technologies for sustainable growth,ICEFT-14, March 27-28 2014 at MHSSCOE,Mumbai,India.

6. Dhananjay Kalbande, Parth Dedhia, Nikhil B, Arban G, Darshan S, Dr.Uday Khopkar, "Artificial Intelligence Enabled Method for predicting Acne-Non Acne" , National Conference on Artificial Intelligence in Health Informatics and Virtual Reality on **31st August 2019 at Tata Institute of Social Sciences,Mumbai.,**

   * SECOND PRIZE WINNER AT TISS,AUG.2019.

INTERNATIONAL CONFERENCE [91]

1. Dhananjay Kalbande.G.T.Thampi,"Identifying the research areas in the realm of "Information technology in Manufacturing" ,JMI University, Delhi in Jan 2006.

2. Dhananjay Kalbande, Dr.Gopakumran Thampi, "Neuro-Analytical Hierarchy Process (NAHP) Approach for Selecting ERP Technologies in a Ongoing Project Settings",3rd IEEE International Conference onComputer Science and Information Technology (IEEE ICCSIT 2010) ,July 9-11, 2010,Chengdu ,China. ,IEEE Catalog Number:CFP1057E-PRT , Vol.4, ISBN: 978-1-4244-5538-6, Library of congress :2009938342.

3. Dhananjay Kalbande and Dr. Gopakumaran Thampi, Priyank Singhal, SumiranShah, **"**Zip it Up SMS :- A Path breaking Technology Model in the field of Mobile Messaging".3rd IEEE International Conference on Computer Science and Information Technology, (IEEE ICCSIT 2010) ,July 9-11 2010,Chengdu ,China.,IEEE Catalog Number:CFP1057E-PRT , Vol.4,ISBN: 978-1-4244-5538-6,Library of congress :2009938342.

4. Dhananjay Kalbande and Dr. Gopakumaran Thampi,"Total Productive Maintenance – Accelerating OEE in a Manufacturing Industry leveraging pervasive technologies".IEEE International conference on Manufacturing Science & Technology

(ICMST 2010), Kuala Lumpur, Malaysia 26-28 Nov 2010. (IEEE Catalog Number:CFP1045L-PRT , Vol.4, ISBN: 978-1-4244-5538-6)

5. Dhananjay Kalbande,Aakash Mishra,Sanjivani Patil,Sneha Nirgudkar,Prashant Patel,"Lip Reading Using Neural Networks".IEEE 2010 International Conference on Graphic and Image Processing (ICGIP December 2010) Manila, Philippines. Proc. SPIE 8285, 828519 (2011); doi:10.1117/12.913406

6. Nilesh Deotale,Dhananjay Kalbande,Aakash Mishra, "Energy Conservation using Face Detection. Published in IEEE 2010 International Conference on Graphic and Image Processing (ICGIP December 2010) Manila, Philippines. Proc. SPIE 8285, 828526 (2011); doi:10.1117/12.913489

7. Dhananjay Kalbande and Dr. Gopakumaran Thampi ,"Demonstrating Creation of an Empirical Formula from the First Principle: A Case Study in Manufacturing Industries",International Conference on Development And Applications Of Statistics InEmerging Areas Of Science & Technology December 8-10, 2010 (ICDASEAST 2010),University of Jammu, Jammu-180006, India.

8. Dhananjay Kalbande and Dr. Gopakumaran Thampi ,"An Empirical Relationship Of Cost Of Technology Acquisition And Cost Reduction In Manufacturing Enterprises.",IEEE 2011 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) Mumbai, India. (IEEE catalog no.   CFP1197F-ART, ISBN: 978-1-4244-9243-5).

9. Dhananjay Kalbande,Dr.Gopakumaran Thampi ,"Leveraging Agility in Business Processes using E-Procurement", Accepted for publication in IEEE 2011 3rd International Conference on Machine Learning and Computing (ICMLC 2011)Singapore, February 26-28, 2011(ICMLC SINGAPORE FEB.2011 ,IEEE PRESS.).

10. Dhananjay Kalbande,Dr.Gopakumaran Thampi,P.Singhal , "Preprocessing Selection Of Enterprise Resource Planning Applications In Small Manufacturing Industry And Its Impact On Business Process Agility",2011 International Conference on Software and Information Engineering MALAYSIA JUNE 2011.(ICSIE MALAYSIA 2011 ASME PRESS). DOI: http://dx.doi.org/10.1115/1.859735.paper71

11. Dhananjay Kalbande,Dr.Gopakumaran Thampi, "E-procurement for increasing business process agility",International Conference & workshop on   Emerging Trends and Technology (ICWET -ACM MUMBAI 25-26 Feb 2011) ,ACM International Digital Library,SIGART,USA. ISBN: 978-1-4503-0449-8 , DOI :10.1145/1980022.1980187

12. Dhananjay Kalbande,Sanket Bhoir, Sneha Nirgudkar, Sanjivani Patil, "Neural Network Based Empirical Model Development for E-Business (Mobile) Application.", International Conference & workshop on Emerging Trends and Technology(ICWET - ACM MUMBAI 25-26 Feb 2011) ,ACM   International Digital Library, SIGART, USA.ISBN: ISBN:978-1-4503-0449-   8,DOI:10.1145/1980022.1980353

13. Dhananjay Kalbande, Shekhar Shah, Presha Shah, Jigar Rudani, "Algorithm to access Office Files on Mobile Phones",International Conference & workshop on Emerging Trends and Technology(ICWET -ACM MUMBAI 25-26 Feb 2011) , and ACM, New York NY(USA), ISBN :978-1-4503-0449, DOI:10.1145/1980022.1980112

14. Dhananjay Kalbande,Dr.Gopakumaran Thampi,"An approach to eliminate Self-gratifying Technology (SGT) in manufacturing industry: A case study and critical Research Review.",International Conference Data Management(ICDM -IMT Ghaziabad,India,November 2011.

15. Dr.Dhananjay Kalbande ,Chaitali Shah, Apporva Nigam,Priti Kothawade, "Integrating ERP to Accelerate Business Process Agility: A Case Study and Critical Research Review in Indian Pharmaceutical Industry", IEEE-2012,ICCICT-19-20 Oct. 2012,Mumbai,India.**PrintISBN:** 978-1-4577-2077-2,
DOI : 10.1109/ICCICT.2012.6398116

16. Kalbande D.R.,Khan Sumaiya,Thampi G.T., "Neuro Analytical Hierarchy Process (NAHP) Approach for CAD/CAM/CIM Tool Selection in the Context of Small Manufacturing Industries", IEEE-2012, International Conference ,ICCICT-2012,Mumbai,India.**Print   ISBN:** 978-1-4577-2077-2,
DOI : 10.1109/ICCICT.2012.6398139,

17. Pisolkar Pranali, Parmar, Sneha; Poojari, Chitra; Kalbande,Dhananjay, "Satellite Positioning Simulation System", IEEE-2012, International Conference ,ICCICT-2012,Mumbai,India.DOI: 10.1109/ICCICT.2012.6398141 Year: 2012 , Page(s): 1 – 4.

18. Mhapsekar Aditi; Kulkarni, Priyanka; Nagarsekar, Uma;Kalbande, Dhananjay R., "Voice enabled Android application for vehicular complaint system: Using GPS and GSM-SMS technology", IEEE sponsored International Conf. on Information and Communication Technologies (WICT), Trivendrum Oct 30, 2012 DOI: 10.1109/WICT.2012.6409133 Publication Year: 2012 , Page(s): 520 – 524.

19. Alifiya Bhanapurwala,Subhashree C,Aishwarya V, D.R.Kalbande ,"Demonstration of Signature Analysis using Intelligent Systems",3rd International Conference on advances in Computing, communication and control ,Springer 18-19 Jan 2013. Volume 361, 2013, pp 199-206, DOI:10.1007/978-3-642-36321-4_18,Print ISBN: 978-3-642-36320-7,Online ISBN:978-3-642-36321-4

20. Mhapsekar Aditi,Kalbande Dhananjay R. ,Kulkarni Priyanka, Nagarsekar Uma ,"Emotion Detection from "The SMS of the Internet",Published in IEEE International Conference Dec 19-21 2013,,IEEE RAICS-2013,Trivandrum,Kerala,India.

21. Kanchan Chandnani, Deepti Chavan, Pratiti Desai and Dr.Dhananjay R. Kalbande, "Machine Learning Applied To Human Learning"IEEE International Conference IEEE INDICON 2013,13-15 Jan 2013,IIT Bombay,Mumbai,India

22. Sumit G.,O.Karande,A.Pandya,Dr.D.R.Kalbande, "Gesture detection system using smart watch based motion sensors", IEEE Conference (CSCITA –Approved by IEEE), April 4-5 2014,Mumbai.

23. Sridari Iyer,Dr.D.R.Kalbande,"Research on Educative Games for Autistic Children",IEEE Conference (CSCITA –Approved by IEEE), April 4-5 2014,Mumbai.

24. Deepshikha H.,Dr.D.R.Kalbande,"Review of Mobile Data Offloading through Wi-Fi", IEEE Conference (CSCITA –Approved by IEEE), April 4-5 2014,Mumbai.

25. Aarti Karande,Dr.D.R.Kalbande, "Web service selection based on QoS using Feedforward Neural Network", International Conference ICICT-2014,IEEE Delhi Section,in KIET,Gaziabad ,Year 2014-15.

26. Nilakshi Jain,Dr.D.R.Kalbande," Digital forensic framework using feedback and case history keeper", IEEE Conference (ICCICT-2015 Approved by IEEE) .Jan 15-17,2015,Mumbai. DOI: 10.1109/ICCICT.2015.7045670,Publication Year: 2015 , Page(s): 1 – 6.

27. Save Shraddha,Gala Mansi,Patil Surabhi,Kalbande Dhananjay R.,"Applying human computer interaction to individual security using mobile application",IEEE Conference **(ICCICT-2015 Approved by IEEE)** .Jan 15-17,2015,Mumbai. DOI: 10.1109/ICCICT.2015.7045691 ,Publication Year: 2015 , Page(s): 1 – 6.

28. Kanakia Harshil, Kalbande, Dhananjay R., "Twitilyzer: Designing an approach for ad-hoc search engine", IEEE Conference **(ICCICT-2015 Approved by IEEE)**.Jan 15-17,2015, Mumbai. DOI: 10.1109/ICCICT.2015.7045716,Publication Year: 2015 ,Page(s): 1–4.

29. Alifiya Bhanpurawala, Subhashree Chowdhury and Aishwarya Venkateshl, "Screen sharing application for Mobile Phones", presented in IEEE Conference (ICTSD-2015 Approved by IEEE) .Feb4- 6,2015,Mumbai.

30. Mohsin Karovaliya, Saifali Karedia, Sharad Oza, D.R. Kalbande ,"Enhanced Security for ATM Machine with OTP and Facial Recognition Features",presented in International Conference On Advanced Computing Technologies And Application, D.J. Sanghvi college of Engineering,Mumbai March 2015, Year : Mar 2015 Published :Elsevier,Science direct doi:10.1016/j.procs.2015.03.166.

31. Mrs. Aarti M. Karande, Dr. D.R. Kalbande "Business Process Analyzed factors affecting Business Model Innovation" Fr C Rodrigues Institute of Technology, Vashi 2015 , presented in International Conference on Nascent Technologies in the Engineering Field (ICNTE) DOI: 10.1109/ICNTE.2015.7029933 Feb 2015

32. Kailas K. Devadkar and Dhananjay R. Kalbande, "Partioning Android Mobile Application For Improving Execution Time " ,in IEEE International Conference on

Research in Computational Intelligence and Communication Networks 20-22 Nov. 2015 DOI:1109/ICRCICN.2015.7434277

33. Dheeraj Pandey ,Dr Dhananjay Kalbande ,Vijaya Kamble," Comparative Analysis of Carrier Sense Multiple Access and Carrier Sense Multiple Access with Shortest First",2015 IEEE Global Conference on Communication Technologies (GCCT-2015), 23rd and 24th April 2015, DOI: 978-1-4799-8553-   1/15/$31.00 © 2015 IEEE.

2015-16

34. Nilakshi Jain , Dr. Dhananjay R Kalbande ," Computer Forensic Tool using History and Feedback Approach", International Conference on Reliability, InfoCom Technologies and Optimizations IEEE Conference ,Delhi (ICRITO-2015). (**Print** ISBN: 978-1-4673-7231-2)

35. Nilakshi Jain , Dr. Dhananjay R Kalbande, "Digital Forensic Framework using Feedback and Case History Keeper",International Conference on Communication, Information and Computing Technology IEEE Conference (ICCICT-2015) ,SPIT , Mumbai India (Print ISBN:978-1-4799-5521-3).

36. Nilakshi Jain , Shwetambari Pawar, Dr. Dhananjay R Kalbande , "Network Security Analyzer: Detection and Prevention of Web Attacks Using Digital Forensic" **,** International Conference on ICT for Intelligent Systems (ICTIS – 2015)Ahmadabad. (Springer SIST), Series Title: Smart Innovation, Systems and Technologies (SIST) ISSN Number – 2190-3018.

37. Nilakshi Jain , Dr. Dhananjay R Kalbande , "Physical and Cyber Crime Using Digital Forensic Approach",International Conference on ICT for Intelligent Systems (ICTIS – 2015) Ahmadabad(Springer SIST), Series Title: Smart Innovation, Systems and Technologies (SIST) ISSN Number – 2190-3018.

38. Mrs. Aarti M. Karande, Dr. D.R. Kalbande "Selection of optimal services working on SCM strategies using Fuzzy decision making methods" 2nd IEEE International Conference on Computational Intelligence & Communication Technology (IEEE CICT-2016) Ghaziyabad India

39. Seema Kolkur ,Dhananjay Kalbande,"Review of Machine Learning Algorithms in R software for Diagnosis of ESD Diseases" , presented in ACM Women in Research Conference (ACM-WIR 2016),at Sri Aurobindo Institute of Technology,Indore.21st March 2016.

40. Anjali Yeole, Dhananjay Kalbande," Use of Internet of Things (IoT) in Healthcare: A Survey ", accepted for presentation and publication in ACM Women in Research Conference (ACM-WIR 2016),at Sri Aurobindo Institute of Technology,Indore.21st March 2016.

41. Nilakshi Jain,Dhananjay Kalbande ," Empirical relationship between Victim's occupation and their knowledge of Digital Forensic ", accepted for presentation and publication in

ACM Women in Research Conference (ACM-WIR 2016),at Sri Aurobindo Institute of Technology,Indore.21st March 2016.

42. Nilakshi Jain ,Dhananjay Kalbande, "Computerized Forensic Approach Using Data Mining Techniques", accepted for presentation and publication in ACM Women in Research Conference (ACM-WIR 2016), at Sri Aurobindo Institute of Technology,Indore.21st March 2016.

43. Asha Bharambe,Dhananjay Kalbande, "Techniques and Approaches for Disease Outbreak Prediction: A Survey", accepted for presentation and publication in ACM Women in Research Conference (ACM-WIR 2016),at Sri Aurobindo Institute of Technology,Indore.21st March 2016.

44. Ankit Srivastava ,Dhananjay Kalbande," Neuro-Bi Approach For Management Information System For An Enterprise", presented in 2016 International conference on Smart structure and system(2016 IEEE ICSSS),at Saveetha Engineeing College,Anna University,Chennai, India, March 23,24 .2016.

45. Manjusha G.,D.Pandey, Dhananjay Kalbande, "Machine Learning Approach for Predicting bumps on Road", 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Davangiri, Maharashtra 29-31Oct 2015.DOI: 10.1109/ICATCCT.2015.7456932.

46. Nikita Patil, Dhananjay Kalbande, "Demonstrating Protein Analysis for cancer Disease using Approximation Algorithms" presented ,3rd International conference on Electronics and communication system,ICECS.25-26 Feb.2016. Karpagam College of Engineering,Coimbatore,India.
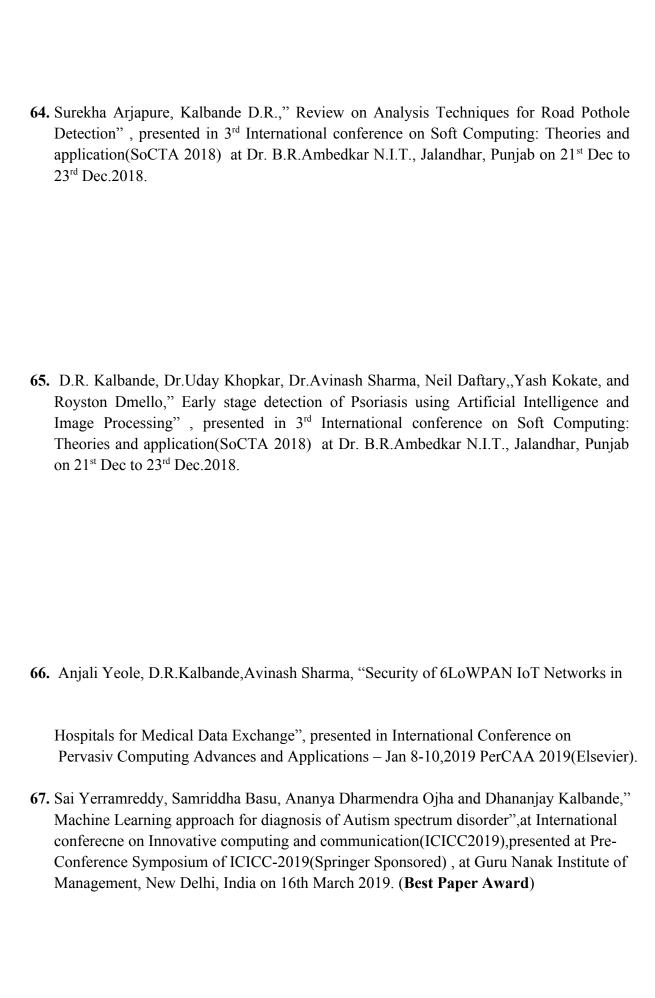
2016-17

47. Mrs. Aarti M. Karande, Dr. D.R. Kalbande ,"Solving enterprise solution complexity in SCM domain through Business process agility" at 7th IEEE international advances computing conference hosted by Vallurupalli Nageswara rao Vignana jyothi Institute of Engineering and Technology Hyderabad on 5th – 7th Jan 2017

48. Devashree Mehta, Faizaan Charania, **Dhananjay Kalbande** ," Comparative Study of KNN and ENN approaches for the Netflix Challenge" presented and published in 2016 International Conference on Engineering and Technology (ICET). (IEEE Sponsored) 16 Dec - 17 Dec 2016, at KCEE, Coimbtore, India.

49. Suvarnamala Sonune,**Dhananjay Kalbande**, "Issues in IoT Healthcare Platforms: A Critical Study and Review", presented and published in 2016 International Conference on Engineering and Technology (ICET). (IEEE Sponsored) 16 Dec - 17 Dec 2016.,at KCEE, Coimbtore, India.

50. Dr.Mithali Jage, Dr.Uday Khopkar, **Dr.Dhananjay Kalbande**, Maitri Shroff, Sanskruti Shah, Shivani Inamdar ,Janvi Jatakia, Rohit Naik " Artificial Intelligence enabled Machine Learning approach for recognizing early stage of Psoriasis and Eczema" presented in 10th ADC 2016, Asian Dermatological Congress, Oct.2016,Mumbai,India. The work presented in this Congress is a research outcome of collaborative research work

with Skin and VD department ,Seth G.S.Medical College and KEM Hospital and SPIT,Mumbai.

51. Suvarnamala Sonune,**Dhananjay Kalbande,** " IoT Enabled API for Secure Transfer of Medical Data", Presented in IEEE sponsored 2017 International Conference on Intelligent Computing and control(I2C2-17) , at KCEEm Coimbatore , India. 23-24 June 2017.

52. Sridari Iyer,Dr.D.R.Kalbande, "Assess Autism level while playing Games ", presented in 2nd International conference on Communication system, computing and IT applications, IEEE-CSCITA , 7-8 April 2017,Mumbai., DOI: 10.1109/CSCITA.2017.8066573, **ISBN:** 978-1-5090-4381-1

2017-18

53. Ayush Shah, Akash Dubey, Vishesh Hemnani, Divye Gala, D.R.Kalbande, "Smart Farming System : Crop Yield Prediction Using Regression Techniques" ,presented at International conference on Wireless communication (ICWiCOM-2017), 19-20 Jan 2018, in DJSCOE, Mumbai, India.(Paper to be published in Springer Digital Library under the series "Lecture notes on Data Engineering and Communication Technologies".)

54. Anjai Yeole, D.R.Kalbande, "MAC based Group Management Protocol for IoT[MAC-GMP-IoT]", presented at International conference on Wireless communication (ICWiCOM-2017), 19-20 Jan 2018, in DJSCOE, Mumbai, India.(Paper to be published in Springer Digital Library under the series "Lecture notes on Data Engineering and Communication Technologies".)

55. D.R.Kalbande, Ms.Anushka Kanawade, Ms. Smruti Varvadekar ," Comparative analysis of methods for monitoring activities of daily living for the elderly people", presented at International conference on Wireless communication (ICWiCOM-2017), 19-20 Jan 2018, in DJSCOE, Mumbai, India.(Paper to be published in Springer Digital Library under the series "Lecture notes on Data Engineering and Communication Technologies".)

56. Ms. Pratiti Desai, Ms. Anushka Kanawade, Ms. Smruti Varvadekar, D.R.Kalbande, " Gesture and Voice Recognition in Story Telling Application" presented in International Conference on Smart City and Emerging Technologies (ICSCET 2018) in association with IEEE, in UCE, 5th Jan.,2018, Mumbai, India.

57. Aditya Das, Shantanu Gawde ,Khyati Suratwala, D.R.Kalbande, "Sign Language Recognition using Deep Learning on custom processed static gesture images" , presented in International Conference on Smart City and Emerging Technologies (ICSCET 2018) in association with IEEE, in UCE, 5th Jan.,2018, Mumbai, India.

58. Sanket Agrawal, Rucha Rangnekar, Divye Gala, Sheryl Paul , D.R.Kalbande," Detection of Breast Cancer from Mammograms using a Hybrid Approach of Deep Learning and Linear Classification", presented in International Conference on Smart City and Emerging Technologies (ICSCET 2018) in association with IEEE, in UCE, 5th Jan.,2018, Mumbai, India.

59. Anjali Yeole , D.R.Kalbande ," Change Management Approach for integrating IoT Technology in Healthcare System", presented in International Conference on Smart City and Emerging Technologies (ICSCET 2018) in association with IEEE, in UCE, 5th Jan.,2018, Mumbai, India.

60. John Britto, D.R.Kalbande ," Analysis of Technological Advances in Autism", presented in International Conference on Incentive Computing and Informatics (ICICI 2017) ,sponsored by IEEE, in REC ,23-24 Nov.2017,Coimbtore ,TN, India.

61. Asha Bharambe, D.R.Kalbande ,"Dengue Outbreak Prediction using Data Mining Techniques" , presented in International Conference on Electrical, Electronics, Computers, Communication,Mechanical and Computing (EECCMC) on 28th & 29th January 2018 at Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi - 635751, Vellore District, Tamil Nadu, India.

62. Twinkle Rambhia, Madhuri Dhodi ,Vaibhavi Patel, D.R.Kalbande ," Design of an Intelligent system for Autism ", presented in 2018 International conference on Communication, Information, & Computing Technology (ICCICT), Feb 2-3 2018, Mumbai,India.

2018-19

63. Aarti M. Karande , Dr. Dhananjay R. Kalbande, Dr. Avinash Sharma ," SCM Enterprise solution using Soft Computing Techniques", presented in 3rd International conference on Soft Computing: Theories and application(SoCTA 2018) at Dr. B.R.Ambedkar N.I.T., Jalandhar, Punjab on 21st Dec to 23rd Dec.2018.

64. Surekha Arjapure, Kalbande D.R.," Review on Analysis Techniques for Road Pothole Detection" , presented in 3rd International conference on Soft Computing: Theories and application(SoCTA 2018) at Dr. B.R.Ambedkar N.I.T., Jalandhar, Punjab on 21st Dec to 23rd Dec.2018.

65. D.R. Kalbande, Dr.Uday Khopkar, Dr.Avinash Sharma, Neil Daftary,,Yash Kokate, and Royston Dmello," Early stage detection of Psoriasis using Artificial Intelligence and Image Processing" , presented in 3rd International conference on Soft Computing: Theories and application(SoCTA 2018) at Dr. B.R.Ambedkar N.I.T., Jalandhar, Punjab on 21st Dec to 23rd Dec.2018.

66. Anjali Yeole, D.R.Kalbande,Avinash Sharma, "Security of 6LoWPAN IoT Networks in

Hospitals for Medical Data Exchange", presented in International Conference on Pervasiv Computing Advances and Applications – Jan 8-10,2019 PerCAA 2019(Elsevier).

67. Sai Yerramreddy, Samriddha Basu, Ananya Dharmendra Ojha and Dhananjay Kalbande," Machine Learning approach for diagnosis of Autism spectrum disorder",at International conferecne on Innovative computing and communication(ICICC2019),presented at Pre-Conference Symposium of ICICC-2019(Springer Sponsored) , at Guru Nanak Institute of Management, New Delhi, India on 16th March 2019. (**Best Paper Award**)

68. Madhura Gore, Ananya Dharmendra Ojha, Ananya Navelkar and Dhananjay Kalbande,

    "Methodologies for Epilepsy Detection: Survey and Review" , at International conferecne on Innovative computing and communication(ICICC2019),presented at Pre-Conference Symposium of ICICC-2019(Springer Sponsored) , at Guru Nanak Institute of Management, New Delhi, India on 16th March 2019.

69. Dhananjay Kalbande, Rithvika Iyer, Tejas Chheda and Avinash Sharma," Transfer Learning Model for detecting early stage of Prurigo Nodularis, presented at Pre-Conference Symposium of ICICC-2019(Springer Sponsored) , at Guru Nanak Institute of Management, New Delhi, India on 16th March 2019.

70. Deepak Kapgate and Dhananjay Kalbande," Optimization of External Stimulus Features for Hybrid Visual Brain Computer Interface," presented at Pre- Conference Symposium of ICICC-2019(Springer Sponsored) , at Guru Nanak Institute of Management, New Delhi, India on 16th March 2019.

71. Swati Kulkarni, Dhananjay Kalbande ,"Video-based Human Action Recognition using Multiclass Open set Classification", presented at International Conference on Emergent Research in Mathematics and Engineering (ICERME-2019) at the Department of Mathematics, NIT Agartala., 17th -18th May, 2019.

2019-20

72. Aarti Karande, Prachi Dalvi and Dhananjay Kalbande," Emotion Identification using CNN based Transfer Learning", accepted for presentation at Second International Conference on Advance Computing and Application (ICACTA 2020) on the theme "Intelligent Computing".DJICACTA2020.

73. Renuka Pawar, D.R.Kalbande , "Elliptical Curve Cryptography Based Access Control Solution For Iot Based WSN" in International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2019) , Oct 17-18 2019 ,Coimbatore,India.

74. Jignesh Sisodia, D.R.Kalbande, " "Machine Learning: An aid in detection of Neurodegenerative disease Parkinson". International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2019) , Oct 17-18 2019 ,Coimbatore,India.

75. Surabhi Ghankutkar, Neelabh Sarkar, Pooja Gajbhiye, Sanyukta Yadav, Dr.Dhananjay Kalbande , Prof.Nida Bakereywala," Modelling Machine Learning For Analysing Crime", presented at IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 19) , at Fr.CRCE,Bandra, MumbaiDecember 20 - 21, 2019.

76. Ira Durve, Sairandree Patil, Supriya Ghuge, Dhananjay Kalbande, "Machine Learning approach for Physiotherapy Assessment ",presented at IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 19) , at Fr.CRCE,Bandra, MumbaiDecember 20 - 21, 2019.

77. Rebecca Dsouza, Shubham Sahu, Ragini Patil,Dhananjay Kalbande ," Chat with Bots Intelligently:A Critical Review & Analysis ", presented at IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 19) , at Fr.CRCE,Bandra, MumbaiDecember ,20 - 21, 2019.

78. Mahendra Mehra, D. R. Kalbande, Shubham Mankar, Sohaa Mutsaddi, "Data mining in educational systems for effective student mentoring", presented in **IEEE** 2019 International Conference on Advances in Computing, Communication and Control (ICAC3) 20-21 Dec 2019 **DOI:** 10.1109/ICAC347590.2019.9036803

2020-21

79. Ghorai Arnab , Gawde Sarah and Kalbande Dhananjay, "Digital Solution for Enforcing Social Distancing " (May 31, 2020). at Proceedings of the International Conference on Innovative Computing & Communications (ICICC) 2020, Available at SSRN: https://ssrn.com/abstract=3614898 or http://dx.doi.org/10.2139/ssrn.3614898

80. Garima Kaushik, Shaney Mantri, Shrishti Kaushik, Dr Dhananjay Kalbande, Dr.B.N. Chaudhari," Analysis of Effectiveness of Quarantine Measures in Controlling COVID-19", presented at International Conference on Recent Development in Engineering, Science, Humanities and Management (ESHM-2020), 25th July,2020,Goa, India.

81. Rushabh Khara, Deepika Pomendkar, Rishika Gupta, Ishwarlal Hingorani and Dhananjay Kalbande, "Micro Loans for Farmers", presented at 11th ICCCNT 2020, International conference on Computing, communication and networking technologies, July1-3,2020, IIT Kharagpur, West Bengal, India in association with IEEE Kharagpur Section.

82. Priyam Das, Dhananjay Kalbande, "Behavioural Analysis of Multi-Source Social Network Data Using Object-Centric Behavioural Constraints and Data Mining Technique", presented at 11th ICCCNT 2020, International conference on Computing, communication and networking technologies, July1-3,2020, IIT Kharagpur, West Bengal, India in association with IEEE Kharagpur Section.

83. Ajani Yameen, Mangalorkar Krish, Nadar Yohann, Mehra Mahendra, Kalbande Dhananjay, " College Project Preservation and Emulation using Containerization over Private cloud", presented in 5th International Conference on Information and Communication Technology for Competitve Strategies Dec 11-12 2020, (ICTCS-2020)

84. Mohit Sanjay Badve, Vinal Bagaria, Apoorva Chaudhari, Palak Davda, Dhananjay Kalbande," Garbage Collection System Using IoT for Smart City", presented in 4th International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2020) 7th Oct 2020. **DOI:** 10.1109/I-SMAC49090.2020.9243387

85. Manan Doshi, Jimil Shah, Aumkar Gadekar, Anish Dixit, Shloka Shah, Parth Jardosh, Dhananjay Kalbande "MeghNA: Cloud Detection and Motion Prediction in INSAT Images" presented in ICACCP 2021 , 3rd International conf. om Advanced Computational and communication Paradigm, ,SMIT, Sikkim,Mar 22-24 2021, Springer AISC series.

86. Shwetambari Borade, Dhananjay Kalbande," Survey paper based critical reviews for Cosmetic Skin Diseases", presented in IEEE sponsored International conf. On Artificial Intelligence and smart systems (ICAIS) Mar 2021. DOI: 10.1109/ICAIS50930.2021.9395803

87. Sahai Vedant, D'Costa Jason, Srivastava Mayank, Mehra Mahendra, Kalbande Dhananjay, " Leveraging Deep Learning and IoT for monitoring COVID19 Safety Guidelines within College Campus" presented in 10th International Conference, IACC 2020, Panaji, Goa, India, December 5–6, 2020,published in Book seriea in Avvanced computing, Springer, ISBN: 978-981-16-0401-0

88. Tejas Chheda, Soumya Kopakka, Rithvika Iyer ,Dhananjay Kalbande "A Survey on Object Detection, Annotation and Anomaly Detection Methods for Endoscopic Videos" ,presented in 14-16 Oct 2020 5th IEEE International Conference on Computing, Communication and Security (ICCCS) Oct 2020. DOI: 10.1109/ICCCS49678.2020.9277436

89. Tejas Chheda, Soumya Kopakka, Rithvika Iyer ,Dhananjay Kalbande ," Gastrointestinal Tract Anomaly Detection from Endoscopic Videos Using Object Detection Approach" presented in International Symposium on Visual Computing, In: Bebis G. et al. (eds) Advances in Visual Computing. ISVC 2020. Lecture Notes in Computer Science, vol 12510. Springer, Cham. https://doi.org/10.1007/978-3-030-64559-5_39. Dec 2020.

90. Anagha Pasalkar, Dhananjay Kalbande, „Prediction and Analysis of Recurrent Depression Disorder: Deep Learning Approach", presented in 2nd Congress on Intelligent Systems (CIS 2021) organized by Soft Computing Research Society (SCRS Book Series) and CHRIST (Deemed to be University), Bengaluru , India ,during September 04-05, 2021.

91. Dhananjay Kalbande, Pulin Prabhu,Anisha Gharat, Tania Rajabally," A Fraud detection system using Machine Learning", presented in the 12th IEEE international conference on computing, communication and networking technologies (ICCCNT), IIT Kharagpur,West Bengal, India, during 6th & 8th July, 2021.

Research Grants Received:

1.Research Grant from National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science &†Technology (DST), Govt. of India, New Delhi for the project titled ZIUS.
2.Worked as Principal Investigator @ University of Mumbai Minor-Research Grant for the year 2010-2011 for the project titled STACsys: SMS based Taxi and Auto Rickshaw Complaint System.
3.Worked as a co-investigator @ University of Mumbai Minor-Research Grant for the year 2011-2012 for the project titled BMX : Bluetooth Mouse controller for LCD projector and desktop PC.
4.Worked as Principal Investigator @University of Mumbai Minor-Research Grant for the year 2013-2014 for the project titled Android application for Signed Language translation.
5. Worked as Principal Investigator @University of Mumbai Minor-Research Grant for the year 2017-2018 for the project titled IOT enabled Digital Assistant For Autistic Children

Research Grant Applied To: (Year 2012-13)

1. Minor Grant Research Proposal to UGC (Received Sanction Letter Dt. 03ʳᵈ May 2013 and it is in process.

Professional Affiliation:

- Recognized PG Teacher & Ph.D. Guide of Mumbai University in Computer Engineering and IT.
- Recognized PG Teacher of Mumbai University in Electronics & Telecomm. Engineering.
- Recognized Ph.D Guide of Nagpur University in Computer Science & Technology.

M.E.Guidance:

Guided : 15   Guiding:01

Ph.D Guidance:

Guided : 05   Guiding: 07

Currently guiding 5 Research scholars for Ph.D in Computer Engineering and 2 Research scholars for Ph.D in Information Technology of Mumbai University.

Post-PhD Work:

1. Research in **Skin Image Analysis and Recognizing skin diseases at the early stage** at Seth G.S.Medical College and KEM Hospital ,Parel Mumbai under the guidance of Dr. Uday Khopkar, Professor and Head,Dept.of Skin and VD,KEM Hospital.

   Results of the Investigation are approved from Institutional Ethics Committee(IEC Committee) ,Seth G.S.Medical College & KEM Hospital.
   Status : Completed.

2. Research work Title :**Skin Image Analysis Software for diagnosis of chronic pruritic Skin Diseases at early stage.**
   Principal Investigator and Guide: Dr.Uday Khopkar,Professor & Head, Dept.of Dermatology,Seth G.S.Medical College and KEM Hospital.
   Co-Investigators : Dr.Dhananjay Kalbande,Dr. Akansha Chadha,Dr. Bhushan Darkase, Dr. Naziya M , Junior Resident, Seth G.S.Medical College & KEM Hospital.
   Protocol is submitted to Institutional Ethics Committee(IEC Committee) ,Seth G.S.Medical College & KEM Hospital.
   Status : Completed.

3. MIS Application for Skin and VD Department, KEM Hospital, Parel, Mumbai.

   Status : Completed.

Certification done: Good Clinical Practices from NIDA Clinical Trials Networks (CTN Expiration Date: 24 Mar 2022).

4, **Track on Park : Artificial Intelligence for detecting abandoned vehicles** in collaboration with MCGM, K-Ward, Andheri West, Mumbai.

Status: Completed

Patent Filed: 07

1. Title of the Invention: "Skin Image Analysis Software for Skin Diseases" dated 24/02/2016 Time: 17:02:14, Docket No.4737.Application No.:201621006433

2. Title of the Invention :"AUTO-WALAS: An App for Vehicle Management" dated 21/03/2016 Time: 16:03:00, Docket No. 7129, Application No.: 201621009763.

3. Title of the Invention : Theoretical Concept Of "Business Process Framework In An Enterprise Architecture As Per The Architectural Level" dated 13/05/16 Application No. 201621011091 A.

4. Title of the Invention for joint patent with T.I.S.S.,Mumbai for a Post-Doctorate work for the Invention " Mobile App for Prasutitikakaran and Tikakaran" published dated 26/08/16 Application No.201621026972 A.

5. Title of the Invention "F-MIOTH: Framework For Medical Iot (Internet Of Things In Healthcare" published dated 07/09/2018 Application No. **201821031554.**

6. Title of the Invention "Skinzerflow : Skin Disease Detection Using Iot And Image Processing" published dated 07/09/2018 ,Application No. **201821032115.**

7. Title of the Invention : Big Data Architecture For Predicting Malaria And Dengue Incidence., published dated: 29/11/2019, Application No. 201921046529.

8. Title of the Invention :Track on Park: Application Challan :TR-5, docket no, 65863,Application No.202021051448 dated 26/11/2020.

9. Title of the Invention: Psychological distress detection,classification and assistance using AI, Application No.202121002700 dated 20/01/2021.

Awards:08

1) Awarded as a Distinguished Professor by Computer Society of India (CSI) for successfully demonstrating innovative and outstanding teaching methodology, organized by CSI TechNext at IITB, Jan 2017.

2) Awarded as a Distinguished HOD by Computer Society of India (CSI) for successfully demonstrating innovative and outstanding teaching methodology, organized by CST TechNext, at IITB, Jan 2017.

3) Awarded as a Best Faculty of the Year for :Funded Research –Either Govt. or Industry Funded Research Project , by Computer Society of India (CSI) TechNext at IITB, Feb.2018.

4) Awarded as Best Professor in Computer Engineering by DNA and Stars Groups at 10th Innovative Leadership Awards, at Taj Lands End, Feb.2018.

5) Best paper award for paper titled "Machine Learning Approach for Diagnosis of Autism Spectrum Disorder ,authored by Sai Yerramreddy, Samriddha Basu, Ananya Dharmendra Ojha, Dhananjay Kalbande ,ICICC- Dec.2019 Conference ,Delhi.

6) Overall Best paper award and Best Track Paper for a paper tiled ".Agility of SCM solution using Neural Fuzzy Approach," authored by Aaarti Karande,, Dhananjay Kalbande, Avinash Sharma., at International conf.RTCAIT Apr.2019

7) Second Prize award for paper titled "Artificial Intelligence enabled method for predicting Acne-Non Acne" authored by Dhananjay Kalbande , Parth Dedhia,Nikhil Barhate, Arnab Ghorai,Darshan Savalia ,Dr.Uday Khopkar, TISS AI and Health Conference' Aug.31,2019.

8) Awarded for exemplary contribution (Education)of the year 2019-20 in India by PRIME TIME Research Media Pvt.Ltd., Aug.2020.