BIO-DATA

Recent Photograph

1.	**Name**	Dr. Archana Shirke
2.	**Designation**	Assistant Professor
3.	**Residential Address**	Navi Mumbai
4.	**Date of birth**	--
5.	**Total Experience**	23 years
i.	**Teaching**	23 years
ii.	**Industrial**	--
6.	**Qualifications**	PhD(Computer, VJTI, Mumbai)

Exam Passed	Year	Institution/ University	Branch/ Specialization	Percentage/CGPI
PhD	2023	VJTI, Mumbai	Computer	Awarded
M.Tech	2009	VJTI, Mumbai	Computer	9.5 CPI, 2nd Rank
B.Tech	2001	Dr. BATU, Lonere	Computer	Distinction-- 67%

Additional Qualification:--

7. Employment Record

Institution	Year (From To)	Designation
Fr. C.R.I.T., Vashi	03/02/2004- till date (20.6yr)	Assistant Professor
A. C. Patil CoE, Kharghar	July 2003-Jan 2004 (0.5yr)	Lecturer
FAMT, Ratnagiri	July 2002-July 2003 (1yr)	Lecturer
Dr. BATU, Lonere	July 2001-June 2002 (1yr)	Lecturer

8. Undergraduate / Postgraduate Teaching Experience and Subjects Taught

Subjects Taught at UG level

Sr. No.	Name of Subject	Semester
1	Big Data Analytics	VIII
2	Artificial Intelligence	VII
3	Cloud Computing	VII
4	ISMDR	VIII
5	Data Mining and Business Intelligence	VII
6	Automata Theory	V
7	ADBMS	VI

Subjects Taught at PG level

Sr. No.	Name of Subject	Semester
1	Big Data Analytics	II
2	Emerging Wireless Technologies and Future Mobile Internet	II

9. **Research Experience:**

10. **Research Funding / Consultancy Services:**

Sr. No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period

Research Grants:

Sr. No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
1	University of Mumbai	Minor research grant	25,000/-	2018-19	Early fire detection using machine learning
2	University of Mumbai	Minor research grant	32,000/-	2014-15	Bling Guide
3	Government of India	NEAC (National Environmental Awareness Champaign)	15,000/-	2014-15	Seminar on Environmental Awareness

Technical Collaboration / Lab Funding with Industries

Sr. No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year

11. **Professional Societies Fellowship / Membership**

1. ACM Student Membership (17-18) – 4708781
2. IEEE One Year Membership (16-17) – 93893901
3. Member of Computer Society of India (CSI) - N1112879
4. Life Member of ISTE (LM-46496) – 2005 onwards

12. **Achievements / Awards / Position:**

1. Best paper Award at International Conference ICORIET-2018 on "F-alert: Early fire detection using machine learning" at Dy. Patil School of Engineering and Technology, Pune.

13. **Projects guided in UG/PG level:** 50

14. **Short Term Training Programmes attended: 24** (Attached copy)

15. **List of Journal Papers Published (list in IEEE format): 07** (Attached copy)

16. **List of Papers Published in National and International Conferences (list in IEEE format): 36** (Attached copy)

17. **Books/Reports/General articles etc.: Nil**

18. **Invited Lectures in FDP/ STTP/Conference: 06**

1. Keynote Speech at International Conference on Recent Trends in Artificial Intelligence and Data Science **(ICRTAIDS - 2024)** at Ajeenkya DY Patil School of Engineering, Lohegaon, Pune on 12th April 2024
2. Expert talk on "Introduction to AI and ML" on 02/11/2022 at Agnel Polytechnic, Vashi Navi Mumbai 400703
3. Expert Lecture during STTP on "Machine Learning "on 8th May 2021 at Agnel Polytechnic, Vashi
4. Conducted a session in ISTE approved STTP on "Zest of Data Science" on 2nd January 2020 at PVPPCOE, Sion, Mumbai
5. Conducted orientation program on "Database Mining & Business Intelligence" and "Business Intelligence" lab on 09/01/2019 at VIT, Wadala, Mumbai

	6. Deliver a session for STTP on "Recent Trends in Data Science" on 03/01/2019 at PVPPCOE, Sion, Mumbai
19.	**International Conference Technical Program Committee Member / Reviewer:18** 1. **Reviewer** for 2nd International Conference on Technologies for Energy, Agriculture and Healthcare **(ICTEAH- 2024)** at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai on 15th- 16th April 2024 2. Reviewer for 1st IEEE International Conference on "Machine Learning algorithms: ICMLA 2024 at Chitkara University, Himachal Pradesh, 23rd -24th February 2024 3. Reviewer for 2nd International Conference on Advances in Technology and Management **(ICATM- 2024)** at A. C. Patil college of Engineering , Navi mumbai on 5th- 6th April 2024 4. **Reviewer** for 6th IEEE international Conference on advances in Science and Technology IEEE-ICAST- 2023 at KJ Somiya Institute of Technology, Mumbai on 9 December 2023 5. Reviewer for 1st IEEE International Conference in "Artificial Intelligence in Education and Industry 4.0" IDICAIEI2023 at DMIHER 27-28 November 2023 6. Paper reviewer for international conference ICNTE 2023 at FCRIT, Vashi, Navi Mumbai 7. Paper reviewer for international conference ICRMIR 2023 at LTCE, Koparkhairane, Navi Mumbai 8. Reviewer of International conference ICIRTE 2022 at PVPPCOE, Sion, Mumbai 9. Reviewer of International conference ICACC 2022 at RAIT, Nerul, Mumbai 10. Reviewer of International Conference on Nascent Technologies in Engineering (ICNTE 2021) organized by Fr. C.R.I.T. Vashi. 11. Reviewer for ICAST 2021 paper K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai. 12. Reviewer of International Conference on Nascent Technologies in Engineering (ICNTE 2019) organized by Fr. C.R.I.T. Vashi 13. Reviewer of National Conference on Advances in Technology and Management at A. C. Patil College of Engineering, Kharghar, Navi Mumbai on 23rd - 24th March, 2017 14. Reviewer of International Conference on Nascent Technologies in Engineering (ICNTE 2017) organized by Fr. C.R.I.T. Vashi. 15. Reviewer of National Conference on Advances in Technology and Management at A. C. Patil College of Engineering, Kharghar, Navi Mumbai in 2016 16. Reviewer of International Conference on Nascent Technologies in Engineering (ICNTE 2015) organized by Fr. C.R.I.T. Vashi. 17. Reviewer of IEEE approved International Conference on Circuits, System, Communication and Information Technology Applications (CSCITA 2014) organized by St. Francis Institute of Technology, Borivali 18. Reviewer of National Conference on Nascent Technologies in Engineering (NCNTE 2012) organized by Fr. C.R.I.T. Vashi.
20.	**Patents: ---** Archana Shirke, M. M. Chandane on "Performance Modeling and Analysis of IoT based Edge computing policies", Ref No. 202221038709 dated 05/07/2022

STTP/ Conference/ FDP Attended

SN	Year	STTP/FDP 1-2 wks	Seminar/ FDP /WS (1-3 days)	Conference	Courses Attended	Total
1.	2001-02	1 (2 wk)	–	01	–	2
2.	2002-23	–	–	–	–	-
3.	2003-04	–	01	–	–	1
4.	2004-05	–	02	–	–	2
5.	2005-06	–	–	–	–	-
6.	2006-07	1 (1 wk)	–	–	–	1
7.	2007-08	1 (1 wk)	–	–	–	1
8.	2008-09	1 (1 wk)	–	02	1	4
9.	2009-10	2 (1 wk)	–	01	–	3
10.	2010-11	1 (2 wk), 1(1 wk)	02	–	–	4
11.	2011-12	1 (1wk)	–	–	–	1
12.	2012-13	–	01	01	–	2
13.	2013-14	–	04	–	–	4
14.	2014-15	–	–	01	–	1
15.	2015-16	1(1 wk)	05	–	–	6
16.	2016-17	2 (2 wk), 1(1 wk)	02	01	–	6
17.	2017-18	–	–	03	–	3
18.	2018-19	1 (1 wk)	–	01	–	2
19.	2019-20	3 (1wk), 1(4 wk)	01	–	1	6
20.	2020-21	2 (1 wk)	–	01	–	3
21.	2021-22	1(1Wk)	–	–	–	1
22.	2022-23	1 (1Wk)	01	01	–	3
23.	2023-24	3(1Wk)	–	03	–	5
	Total	**25**	**19**	**16**	**2**	**62**

- **STTP/FDP of 1 or 2 weeks Attended (25)**

1. Successfully completed one week Online FDP on “Integrating GenAI in app” held during 8/04/2024 to 13/04/2024 organized by Department of Information Technology, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra
2. Successfully completed one week Online FDP on “Graybox probing Generative AI” held during 8/01/2024 to 13/01/2024 organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra
3. AICTE sponsored an offline STTP programme on “Applied Machine Learning in VLSI Design” held during 04/12/2023 to 09/01/2023 organized by Fr. C. Rodrigues College of Engineering, Bandra, Mumbai, Maharashtra
4. Successfully completed one week Online FDP on “Deep Learning Networks and its Applications” held during 19/06/2023 to 23/06/2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra
5. AICTE Training and Learning (ATAL) Academy Online FDP on “Internet of Things (IoT)” organized by National Institute of Technology, Goa during 8/11/2021 to 12/11/2021.
6. One week Online FDP on "Advanced Data Structure and Analysis” conducted by FCRIT, Vashi 28June-2 July 2021.
7. One week AICTE Training And Learning (ATAL) Academy Online FDP on "Quantum Computing conducted by Thadomal Shahani Engineering College from 22-26 Feb 2021.
8. Four week course on "AI for Everyone" from Coursera conducted by Prof. Andrew Ng , deeplearning.ai
9. One week FDP on "Moodle Learning Management System" by Spoken Tutorial IITB and KJ Somaiya IE & IT during 26th - 30th May 2020

10. One week FDP on "R programming" by Spoken Tutorial IITB and FCRIT during 18th - 23rd May 2020
11. One week FDP on "Data Science using python" at RAIT during 9 -14 October 2019.
12. One week FDP on "Data Science" held at RGIT, Versova, Mumbai during 12th -14th July, 2018.
13. Two week TEQIP sponsored STTP on “Big Data Analytics” organized by VJTI Mumbai during 10th -19th May 2017.
14. One week TEQIP sponsored STTP on “Data Mining with R” organized by VJTI Mumbai during 8th -12th March 2017.
15. Two week TEQIP sponsored STTP on “Mathematical and Statistical Foundations in Engineering Applications” organized by VJTI Mumbai during 16th -19th September 2016 and 12th – 17 October 2016.
16. One week ISTE approved STTP on “Cloud Computing” during 6th - 10th July 2015 at Fr. CRIT, Vashi.
17. One week ISTE approved STTP on “Business Intelligence & Analytics” during 4th - 9th August 2011 at PIIT, New Panvel.
18. One week ISTE approved STTP on “Information Storage Management and Disaster Recovery” during 3rd -7th January 2011 at Vidyalankar Institute of Technology, Vadala, Mumbai.
19. Two week ISTE approved and Government Of India sponsored workshop on “Effective Teaching/Learning of Computer Programming” organized by **IITB** telecasted at K. J. Somaiya, Vidy vihar, Mumbai during 28th June-10th July 2010.
20. One week ISTE approved STTP on “Advances in Mobile Systems” during 18th-22nd January 2010 at Fr. C. R. I. T., Vashi, Navi Mumbai.
21. One Week course on “Teaching skills Improvement Program” by **WIPRO** (MISSION 10X) in association with **Dale-Carnegie** and **Cambridge** during 23rd-27th, November 2009 at Mumbai.
22. One week **National Workshop** on Current Trends in Information and Database Technology under TEQIP during 3rd to 7th, January 2009 at **VJTI,** Mumbai.
23. One Week AICTE sponsored STTP on “Component Technology” during 15th-19th, December 2007 at Fr. C. R. I. T., Vashi, Navi Mumbai.
24. One Week AICTE-ISTE sponsored STTP on “Digital Signal Processing & its Application in Speech processing (with MATLAB)” during 26th February to 2nd March 2007 at Fr. C. R. I. T., Vashi, Navi Mumbai.
25. Two Weeks AICTE-ISTE sponsored STTP on “Distributed Computing using Java/CORBA” from 4th -16th, February 2002 at Dr. B.A.T.U., Lonere, Raigad.

- **Seminars/ FDP / Workshops Attended (19)**

1. Successfully participated in IP Awareness / Training program under National Intellectual Property Awareness Mission organized by Intellectual Office, India on 6th January 2023.
2. One day FDP on "Rubics Data Science" at RAIT on 17 October 2019
3. One day FDP on “Agile Technology” conducted by TCS on 15 June, 2017.
4. One day FDP on “Cognitive and cloud computing” organized by TCS on 23rd Jan, 2017.
5. One day workshop under TEQIP-II on "Skill India" conducted by VJTI, Matunga, Mumbai on 25th February, 2016.
6. One day FDP on “Big Data Analytics” organized by IT Dept on 4 January, 2016.
7. One day FDP on “Cloud Computing” organized by IT Dept on 6 July, 2015.
8. One day Orientation program on “Cloud Computing” organized by TERNA Engineering College, Nerul on 31 July 2015.
9. Three days Faculty Development Program on “Cloud Computing” organized by Fr. CRIT, Vashi, From 7th, 8th and 10th July, 2015.
10. One day workshop on “Emerging Wireless Technology & Future Mobile Internet” organized by Dept. of Computer Engg, BVCE, Kharghar on 5th April, 2014.
11. Two days Faculty Development Program on “BI- Cognos” held on 28th - 29th January 2014 conducted by Tata Consultancy Services at TCS-Kensington, Powai, Mumbai.

12. One day meeting on "Data Mining and Business Intelligence" organised by VESIT Chembur on 26 January 2014
13. One day "Confluence-2014(Industry- Academia Meet) " organised by EMC2at Hotel Fortune Select Exotica, Vashi, Navi Mumbai on4th March 2014.
14. Two days Faculty Development Program on "SAN, KM, EWT, PM" held on 6th - 7th February 2013 conducted by Tata Consultancy Services at TCS-Yantra Park, Mumbai
15. One day orientation program on "Information Storage Management & Disaster Recovery" organized by SAKEC, Chembur on 6th April, 2011
16. One day orientation program on "Data Warehousing and Business Intelligence" organized by Dept. of IT, K.J. Somaiya, Sion on 23rd July, 2010 approved by University of Mumbai.
17. Two days course on "**Network Security**" organized by CEP **IITB** during 29th & 30th, September 2004.
18. Two days short term course on "Data Compression & Encryption" organized by Department of Electronics & Telecommunication on 24th & 25th, September 2004.
19. Two days' workshop on "**MATLAB and Simulink**" held at Bharti Vidyapeeth college of Engineering, Navi Mumbai in August 2003 by Math Work.

- **Conferences attended (16)**

1. International Conference on Recent Trends in Artificial Intelligence and Data Science **(ICRTAIDS - 2024)** at Ajeenkya DY Patil School of Engineering, Lohegaon, Pune on 12th April 2024.
2. 2nd International Conference on Advances in Technology and Management **(ICATM-2024)** at A. C. Patil college of Engineering, Navi mumbai on 5th- 6th April 2024.
3. 6th IEEE International Conference on advances in Science and Technology **(IEEE-ICAST-2023)** at KJ Somiya Institute of Technology, Mumbai on 9th December 2023
4. International Conference on Nascent Technologies in Engineering (**ICNTE -2023**) during 20-21, January 2013 at Fr. C. R. I. T., Vashi.
5. International Conference on Nascent Technologies in Engineering (**ICNTE -2021**) during 15-16, January 2021 at Fr. C. R. I. T., Vashi.
6. International Conference on Nascent Technologies in Engineering (**ICNTE -2019**) during 19-20, January 2019 at Fr. C. R. I. T., Vashi.
7. International Conference on Advanced Scientific Innovation in Science, Engineering and Technology, Bharat Institute of Higher Education Research, Chennai during 11-13 April 2018.
8. Conference at TechNext India 2018 Conference & Awards held on 10th-11th February, 2018 at IIT Bombay.
9. International Conference on Smart Computing and Communications, ICSCC 2017, 7-8 December 2017, NIT, Kurukshetra, India
10. International Conference on Nascent Technologies in Engineering (**ICNTE -2017**) during 27-28, January 2017 at Fr. C. R. I. T., Vashi.
11. International Conference on Nascent Technologies in Engineering (**ICNTE -2015**) during 9-10, January 2015 at Fr. C. R. I. T., Vashi.
12. Invited as a judge for **IET- PATW** paper presentation Competition organized at KJ Somaiya Institute of Engineering & Information Technology, Sion on 2nd April 2013
13. 52nd Annual Technical Convention of **IETE** on "Technology & Terror –Role of ICT in war against Terror" during 26th-27th, September 2009 at Mumbai.
14. International Conference on Communication, Control and Computing (**ICAC3-2009**) during 23rd-24th, January 2009 at Fr. C. R. C. E, Mumbai.
15. International Conference on Management of Data (**COMAD-2008**) at IITB during 17th-19th, December 2008.
16. Six Annual Convention of Maharashtra & Goa Section of **ISTE** on 14th & 15th, December 2001 at Dr. B.A.T.U., Lonere, Raigad.

- **Course Attended (2)**

1. Coursera course on "AI for Everyone" by Andrew Ng in May 2020.

2. A course on "CS636: Data Mining" attended in **IITB** Mumbai delivered by Prof. Sunita Sarawagi during July to October 2008.

Papers Published Summary

Sr No	Year	National Conference	International Conference	International Journal	Patent	Total
1.	2008-09	1	1	-		2
2.	2009-10	2	1	-		3
3.	2010-11	2	1	-		3
4.	2011-12	2	1	1		4
5.	2012-13	1	1	-		2
6.	2013-14	2	-	1		3
7.	2014-15	1	1	1		3
8.	2015-16	-	2	1		3
9.	2016-17	-	2	-		2
10.	2017-8	-	5	1		6
11.	2018-19	-	2			2
12.	2019-20	-	2			2
13.	2020-21	-	2			2
14.	2021-22	-	2	1		3
15.	2022-23	–	1	1	1	3
16.	2023-24	-	1	-		1
	Total	**11**	**25**	**07**	**01**	**44**

Indexed by	Total papers cited	Number of Citation
Google Scholar	9	184
Scopus	6	115
Web of Science	2	38

Patent Applied for

1. Archana Shirke, M. M. Chandane on "Performance Modeling and Analysis of IoT based Edge computing policies", Ref No. 202221038709 dated 05/07/2022

Paper Publications:

2008-2009

1. Archana Shirke, S. S. Sane, "**Generating OWL Ontologies from Relational Databases for the Semantic Web**" at International Conference on Communication, Control and Computing in association with ACM (ICAC3-2009) , Fr. C. R. C. E, Mumbai, 23-24 January 2009.
2. Archana Shirke, S. S. Sane, "**Research on Web Data Mining**"at National Conference on Recent Trends in Information Technology (NCRTIT 2009) VVPCOE, Ahmednagar, 20-21 February 2009.

2009-2010

3. Lalit Rajput, S. Shyam, Rekha Pandav, Bhavna Parmar, Archana Shirke, "Ontology based Digital Library" at International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), Thakur College of Engineering & Technology, Mumbai, 26th -27th February 2010.
4. Parul P, Gurpreet, Ryan, Prathamesh, Archana Shirke, "The Medical Multiparameter Monitoring System" at National Conference on Pervasive Computing NCPC-2010 at Sinhgad College of Engineering, Pune, April 9-10, 2010.
5. Archana Shirke, Sylvester D'souza, G. Vamsi Reddy, Akshay Mandhare, Rahul wavhal "Ruby on Rails based Classified search engine" at National Conference on Pervasive Computing NCPC-2010 at Sinhgad College of Engineering, Pune, April 9-10, 2010.

2010-2011

6. Archana Shirke, Sharda S., Mitha B., Nisarga Lonkar, Jaideep J, "Desktop on Hand", International Conference on Global Computing (ICGC 2011), Amrutvahini College of Engineering, Sangamner, 3-4 March 2011.
7. Archana Shirke, Kalpana Wani, Deepak S., Ganesh W., Manmindar Singh, "Driver authentication System for Vehicle Security" International Conference on Global Computing (ICGC 2011), Amrutvahini College of Engineering, Sangamner, 3-4 March 2011.
8. Sabah S., Prajakta S. Pallavi K., Archana Shirke, "Two Factor authentication using Mobile phones" at National Conference on Emerging Trends in Engineering & Technology (NCETET 2011) on 13th March 2011 at Tiwari college, Mira road, Mumbai.

2011-2012

9. Smita Rukhande, Prachi G, Archana S, Dipa D, "Implementation of GPS enabled carpooling System" at International Journal of Advances in Engineering and Technology(IJAET) November 2011 ISSN: 2231-1963.
10. Zeeshan Ali Sayyed, Sridhar Rajagopalan, Kiran Bhor, Raisa Naikwadi, Archana Shirke, "Gesture Recognition based on Spatio-Temporal Trajectory in 3D Space using Hidden Markov Models" at International Conference on Electronics and Communication Engineering (ICSCE 2012), Bhopal, 3-4 March 2012.
11. Richa Dhaundiyal, Surbhi Mathur, Rupesh Bhirud, Ajay Videkar, Archana Shirke, "Automated Cheque Processing Systems", National Conference at Fr. C. R. I. T., Vashi Navi Mumbai, 24 -25 Feb 2012.
12. Kousain raza Beg, Mantesh Vjaladure, Sumeet Jaokar, Abhishek Saiswani, Archana Shirke, "Vein Structure Authentication System" at MPGI National Conference on Recent Trends in Computing, (MPGINMC 2012), Nanded, proceeding published by International Journal of Computer Applications(IJCA),ISSN: 0975-8887, 7-8 April 2012.

2012-2013

13. Swapnil Dinkar, Neetin Nagap, Abhinandan Malik, Archana Shirke, "Smart Phone Based Assistance Application for Visually Impaired" at National conference on Recent Advances in Computer Engineering (RACE-2013) organized by MES college, Pune on 14 & 15 March 2013.
14. Poonam Choudhari, Kanchan Hadawale, Vishal Shingote, Sagar Sonawane, Archana Shirke, "Mismatch Finder over Cloud" at International Conference on Current Trends and Challenges in Management, Engineering, Computer Applications and Technology (ICCTCMECAT, 2013), Deogiri Institute of Engineering and Management Studies, Aurangabad, 22-23 March 2013 and International Journal of Advances in Management, Technology & Engineering Sciences, ISSN 2249-7455, Vol II, Issue 6, March 2013.

2013-2014

15. Rutuja Desia, Priya T., Gaurang D, Ram Dixit, Archana Shirke, "3D Eyewear for Product visualization" at National Conference on Innovations in IT and Management (NCI2TM-14) Organized by Sinhgad Institute of Management & Computer Application, Pune, 21-22 February 2014. (ISBN: 978-81-927230-0-6)
16. Rohit Mane, Mahesh Raut, Nitin Patil, Aniket Nakade, Archana Shirke, "iForest : Recognition of Plant by Leaf Image" at National Conference onTech Stream a Flow of Initiatives and Innovations", Pillai HOC College of Engineering and Technology, Rasayani , 21-22 February 2014.
17. Archana Shirke, Dharini Iyer, Arti Patil, Chetan Luhiya,Vivek Prajapati, "Automatic Irrigation System", International Journal of Electrical, Electronics and Computer Systems (IJEECS) ISSN (Online):2347-2820 (IRCRAET-23rd-MAR-Pune-14_-192)

2014-2015

18. Archana Shirke, Parimita Das, "iLeaf: leaf based recognition system" at International Journal for Research in Emerging Science and Technology (IJREST), ISSN (Online): 2349-7610 Volume 1, Issue 4, September 2014.
19. Kaustav Sen, Afreen Shaikh, Sumeet Agarwal, Pari Gupta, Archana Shirke, "Blue Alarm - Anti Theft System" ICCIA 2015, Sandip Institute of Technology and Research Centre,Nasik, 25-27 February 2015.

20. Sailee Hande, Vidhi Sanghvi, Vinit Singh, Siddhant Naik, Archana Shirke,"Blind Vision: Finger Reader for Visually Impaired People", 2nd National conference on Advancements in Communication, Computing and Electronics Technology (NCACCET-2015), M.E.S college of engineering, Pune.

2015-2016

21. Kalpana Wani, Archana Shirke, Parimita Das, "A Survey on Web Mining Tools", International Journal of Research in Engineering & Technology (IJRET), Volume 3,Issue 10, ISSN: 2321-8843, October 2015, Pg. 27-34.
22. Aditya Shetye, Ashesh Kumar Singh, Sanket Nalavade, Tarun Pable. Archana Shirke,"Kibitzer: Media Recommendation Using Big Data Analytics", International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST 2016) Mumbai, 12-13 March 2016.
23. Archana Shirke, Aakash Shanavas, Dashmit Dassan, Mitra Thakker, Parag Watwe,"LAMBDA: Large Graph Mining using Big Data Analytics", International Conference on Emerging Trends of Technology(ICETT 2016), Neral, 17 -18 March 2016.

2016-2017

24. Daphne Wilson, Abhishek Tiwari, Janice Sunny, Utkarsh Singh, Archana Shirke, "Multi-Object Video Content Analysis (i-vigilant)", International Conference on Nascent Technology in Engineering (ICNTE2017) at Fr.C.R.I.T., Vashi, Navi Mumbai, 27-28 January 2017.
25. Lilyan Anthony, Pradnya Chavan, Astrid Ferreira, Prerana Gadhave, Archana Shirke, "Garbage monitoring system for Smart Cities", 7th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-17), Genba Sopanrao Moze College of Engineering, Balewadi-Baner, Pune, 1-2 April 2017.

2017-2018

26. Nerurkar P., Shirke A., Chandane M. M., Bhirud S. G., "A Novel Heuristic for Evolutionary Clustering", 6thInternational Conference on Smart Computing and Communications,(ICSCC 2017), NIT, Kurukshetra, 7th-8th December 2017.
27. Nerurkar P., Shirke A., Chandane M. M., Bhirud S. G., "Empirical Analysis of Data Clustering Algorithms", 6thInternational Conference on Smart Computing and Communications (ICSCC 2017), NIT, Kurukshetra, 7th-8th December 2017.
28. Akhil Pillai, Vineet Jacob David, Rohan Shibu , Jaslin Fernandes, Archana Shirke, "F-Detect: Early Detection of Forest Fires using Wireless Sensor Networks"1st International Conference On Recent Innovation in Engineering and Technology (ICORIET-2018), Dr. D. Y. Patil School of Engineering & Technology, Pune, 22-23 March, 2018.
29. Prachi Deshpande, Nisarg Gupta, Jefferson Dias, Siddharth Jangam, Archana Shirke, "F-Alert: Early Fire Detection Using Machine Learning Techniques", 1st International Conference On Recent Innovation in Engineering and Technology (ICORIET-2018), Dr. D. Y. Patil School of Engineering & Technology, Pune, 22-23 March, 2018.
30. Archana Shirke, M.M.Chandane, "Predictive modeling for Energy usage of Appliances in Smart home" in International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISET 2018), Bharat Institute of Higher Education Research, Chennai, 11-13 April 2018.
31. Archana Shirke, M.M.Chandane, "IoT based predictive modeling for Energy usage of Appliances in Smart homes" in International Journal of Engineering and Technology (UAE) (34), 931-934. https://doi.org/10.14419/ijet.v7i3.34.19701

2018-19

32. Archana Shirke, Mahesh Thorat, Saurabh Gawde, Sarvesh Tulapulkar, Punalekar Saurav Satish "Brain Tumor detection using Machine learning," In Proc. International Conference on Advanced Trends in Engineering (ICATE2019), Datta Meghe College of Engineering, Navi Mumbai, 4 - 5 April 2019.
33. Purav Gharat, Jincy Jacob, Elvis D Costa, Kunal Das, Archana Shirke, "Falert: Fire disaster management using machine learning," In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), at Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4-5, April 2019.

2019-20

34. Monali Nayak, Naman Lazarus, Jason D'Souza, Archana Shirke, Dr. Shashikant Dugad,"Handwritten Gujarati Script Recognition using OpenCV and Neural Networks" In Proc. International Conference on Recent Advances in Engineering and Technology (ICRAET-2020), on 15th March 2020
35. Sheetal Chauhan, Purvesh Jain, Vikas Maurya, Harshit Rai, Archana Shirke, "Explicit Text Classification for Hinglish language" In Proc. International Conference on Novelty in Applied Science, Engineering and Technology (ICNAET-2020), Chennai on 28 March 2020.

2020-21

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