

Faculty Profile

Name Dr. Arati R Deshpande
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Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D. (Computer Engineering)	Pacific Academy of Higher Education and Research University, Udaipur	Oct 2018
M.Tech(Software Engineering)	Visweswaraya Technical University, Belgaum/ SJCE Mysore	Dec 2001
B.E. (Computer Science & Engineering)	Karnataka University, Dharwad/ BVB College of Engineering, Hubli	Sept 1995

Professional Experience

Sr. No.	Designation & Institute	Duration
1	Associate Professor, PICT, Pune	2022- Present
2	Assistant Professor, PICT, Pune	2006-2022
3	Lecturer, PICT, Pune	2002 - 2006
4	Lecturer, SDM College of Engineering and Technology, Dharwad	1996-2002

Research Publications

Sr. No.	Title	Publication/Conference
1.	The Rehab Reco - A Therapy Recommender System for Dementia	5th International Conference on Electrical and Electronics Engineering (ICEEE 2024) September 11-12, 2024 Swinburne University of Technology, 427-451 Burwood Rd,

2.	Emotion-Based Music Recommendation System Using Speech Analysis	PICT's International Journal of Engineering and Technology (PIJET) , Vol 2, Issue, 1, ISSN, 2584-2668, 2024
3.	Traffic Congestion Control using Ensemble Methods	PICT's International Journal of Engineering and Technology (PIJET) Vol 2, Issue, 1, ISSN, 2584-2668, 2024
4.	Enhancing LLMs with Indian Multi-Lingual Audio Understanding for AGI Advancement: A Survey	International Research Journal of Engineering and Technology (IRJET) Vol 10, Issue 3, p-ISSN: 2395-0072, 2024
5.	Recommendation Using Deep Sentiment Analysis	Journal of Systems Engineering and Electronics Vol 34 Issue 7 ISSN 1671-1793, 2024
6.	Arrival Time Prediction for Transportation System	PICT's International Journal of Engineering and Technology (PIJET) Vol 1 Issue 2 ISSN 2584-2668, 2024
7.	Revolutionizing Dementia Care: A Brief Survey of Personalized Therapy Recommender Systems	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ISSN (O) 2278-1021, ISSN (P) 2319-5940, 2024
8.	Comparative study of sentence paraphrasing in Indian languages	International Journal of Engineering Inventions, Vol 13 Issue 3, 2024
9.	Business Analytics using Predictive Algorithms	International Journal on Recent and Innovation Trends in Computing and Communication, Vol 11, Issue 8 ISSN 2321-8169 2023
10.	Comparative Analysis of Malaria Detection Using Predictive Algorithms	PICT's International Journal of Engineering and Technology (PIJET) Vol 1, Issue 1 ISSN, 2584-2668, 2023
11.	Detection of Duplicate questions using universal sentence encoder with learning	2nd International conference on Emerging Trends and Innovations in ICT, PICT, Pune, Springer 2022
12.	Context Dependency with User Action in Recommendation System	5th International Conference on Smart Computing and Informatics (SCI-2021) Springer Approved
13.	"Pre Filtering Approach with Association Rule Mining for Context Based Recommendation	International Journal of Allied Practice, Research and Review, "ISSN: 0975 – 8887. 2018
14.	Conceptual Modeling of Context based Recommendation System	International Journal of Computer Applications 180(12):42-47, January 2018.
15.	Context based Recommendation Methods: A Brief Review.	IJCA Proceedings on International Conference on Cognitive Knowledge Engineering ICKE 2016(1):13-19, January 2018
16.	Recommendation System Overview	In 6 th International conference on New Frontiers of Engineering, Science, Management and Humanities(ICNFESMH-2017) 9 th December 2017, Chandigarh,

		ISBN: 978-93-87433-04-5
17.	Recommendation System Overview	International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 6, Issue 12 December 2017
18.	"A Survey on Mining High Utility Itemsets"	International Engineering Research Journal (IERJ) Volume 2 Issue 12 Page 4414-4417, 2018 ISSN 2395-1621 2018
19.	"Chui : Mining Closed High Utility Itemsets"	International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT) Volume 3, Issue 6 2018
20.	"TrendFusion: Mobile Personalized Recommendation of trends for Social Networks"	International Journal for Research in Applied Science & Engineering Technology, Volume 6, Issue VIII, 2018
21.	A Survey of Mobile Personalized Recommendation Through Social Network Trends	International Journal of Advanced Research in Computer and Communication Engineering Vol. 7, Issue 1, January 2018 ISSN (Online) 2278-1021 ISSN (Print) 2319-5940 DOI 10.17148/IJARCCCE.2018.7114
22.	Context Based Recommendation Methods: A brief Review	2 nd International Conference on Cognitive Knowledge and Engineering, 21 st -23 rd Dec 2016, Aurangabad ISBN:978-93-80876-89-4 2016
23.	Survey on clustering web search documents with User search goals using feedback	International Journal of Modern Computer Science, Vol 4, February 2016, ISSN:2320-7868, 2016
24.	Developing 2D Navier Stokes solver on intel MIC platform:ASurvey	International Journal of Computer Science, Information Technology, and Security(IJCSITS). ISSN :- 2249-9555 Volume 6, No.2 March-April 2016
25.	Multiterm Keyword Searching for Key Value Based NOSQL System	International Journal of Engineering Research &General Science, Vol 3, Issue 5, Sept 2015, ISSN:2091-2730
26.	A Decision Tree Based Record Linkage for Recommendation Systems	International Journal of Engineering Researech&General Science, Vol 3, Issue 4, July-Aug 2015, ISSN:2091-2730
27.	Post-Processing Approach for Avoiding Discrimination in Data Mining	International Journal of Engineering Researech&General Science, Vol 3, Issue 4, July-Aug 2015 ISSN:2091-2730
28.	Review on Multiterm Inverted Index	CiiT International Journal of <u>Software Engineering and Technology</u> , Vol 7, No 2, Feb 2015, ISSN: 0974 – 9632

29.	A Review of Splitting Criteria for Decision Tree Induction	CiiT International Journal of Fuzzy Systems Volume7, No.1, 2015, ISSN: 0974 – 9608
30.	Comparative study of Hybrid and Context based approach to Recommender System	International Journal of Engineering Research and Technology, Vol. 3, Issue 9, Oct 2014, ISSN 2278-0181
31.	A Survey on Discrimination Prevention in Data Mining	International Journal of Science and Research ,Vol. 3, Issue 10, Oct 2014, Online ISSN 2319-7064
32.	Automated Testing Framework for web based applications using Selenium Remote Control	Computer Science and Information Technologies (CSIT 2011) 16-19 Nov 2011 LVIV Ukraine

Books Published

Sr. No.	Title	Publisher & Year
1	Book Chapter on “Prefiltering with Rule Mining for Context Based Recommendation System” in Machine Learning Applications-Emerging Trends	De Gruyter, 2020

Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1.	Online FDP on “ML and AI using Covid-19 Data Analysis” is attended on from	27 th and 28 th April 2020
2.	Online session on “Introduction to Block chain”	29/4/2020 from 3 to 5 pm
3.	on “Functional Programming using Scala Online session”	2/5/2020 from 12:30to 2pm.
4.	Online session on “Data Analytics”	5/5/2020 from 11 am to 1pm
5.	Online session on “Interview Preparation”	15/5/2020 from 11 am to 12 pm
6.	Online session on “Book Writing”	18/5/2020 from 11:15 am to 1 pm.
7.	A webinar on “Online Tools/Utilities to Keep the Online Sessions More Interactive & Engaged Smartly”	19/5/2020.
8.	Online session on “Cloud Computing for beginners”	22/5/2020 from 3 to 5pm.
9.	FDP on “Python for Data science”	Aug- Sept 2021
10.	FDP on “Outcome Based Pedagogic Principles for Effective Teaching”	Feb, March 2022
11.	NEP 2020 Orientation & Sensitization	16 to 31 Jan 2024
12.	Applied NLP	9/9/2023 to 18/11/2023 online
13.	Inculcating Universal Human Values in Technical Education	18/8/2023 to 20/8/2023

14	Recommender Systems	Feb 2024 to April 2024 NPTEL
15	The Art of Prompts: Unlocking Generative AI	9/12/2024 to 14/12/2024

Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	Gold Medal First Rank in M.Tech.	2001
2	Mission10x and Cbridge Unuversity Certificate for Teaching	2009
3	Best Paper Award in 2 nd International Conference on Emerging Trends and Innovations in ICT	2022
4	Patent granted on RECOMMENDATION SYSTEM USING CONTEXT AND USER ACTIONS	2023

Areas of Interest

Sr. No.	Area
1	Recommender System
2	Information Retrieval
3	Software Engineering
4	Artificial Intelligence