



1. **Name of the Faculty: Dr.Mrs. Rashmi Jaysinh Deshmukh**
2. **Designation: Associate Professor**
3. **Highest Qualification: Ph.D. M.Tech. (CST)**

Orchid ID : (<https://orcid.org/0000-0002-3191-0352>),

4. Educational Qualifications:

Sr. No.	Examination Passed	Subject with specialization	Year of Passing	Class obtained	Name & Address of the University awarding Certificate / Degree
1.	UG	Computer Science	May 1999	Distinction	Shivaji University, Kolhapur
2.	PG	Computer Science	Jan2009	First Class	Shivaji University, Kolhapur
3.	M.Phil.				
4.	Ph.D.	Data Mining	29-04-2019		Shivaji University, Kolhapur

5. Teaching Experience:

Designation	From	To	Classes taught	Name & Address of the Institution
Assistant Professor	2003	2009	S.E., T.E., B.E.(CSE)	T.K.I.E.T., Warananagar
Assistant Professor	2009	Till date	S.Y., T.Y., Final Year B.Tech.(CST)	Department Of Technology, Shivaji University, Kolhapur

6. Details of Funding received:

S. No.	Title of Project	Funding agency	Duration (Year)	Cost Rs.	Status	Name of PI
1	Detection And Prevention of Online Password Guessing Attacks Using CAPTCHA".	UGC	2year (From March 2013)	85,000/-	Completed	--
2	Designing a model for autonomous vehicle with convolution neural	Research Strengthening	2years (28-03-2019 to 31-03-2022)	1,07,000/-		

network algorithm					
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7. Publications:

A) Research papers published:

List of publications

S. No.	Name of Author/s	Year	Title of the Paper	Name of Journal	Volume	Page Nos.	Impact Factor	citation
1	Rashmi V. Mane	Jan 2013	A Comparative Study of Spam and Prefix Span Sequential Pattern Mining Algorithm for Protein Sequences	Springer Communications in Computer and Information Science ISSN: 1865-0929	361	147-155	H-index-9	
2	Rashmi V. Mane, Dr.V.R.Ghorpade	Aug 2013	Performance Evaluation of Students with Sequential pattern mining Algorithm. DOI10.3233/978-1-60959-107-1. ICDMW19 ISSN: 9789351071020	Elsevier Science and Technology ISBN: 978-93-5107-106-8 ISSN: 9789351071020	02	161-168		
3	Shubha Sanu, R.V. Mane	Apr-2014	Image Mining system using content-based image retrieval	IRAJ Research Forum International conference ISBN:978-93-84209-00-1		37-39		
4	Priyanka Patil, R.V. Mane	Mar-Apr 2014	Student Performance Prediction by Pattern Mining Technique	International Journal of Computer Technology and Application ISSN-2229-6093	05			
5	Rohini Varne, R.V. Mane	Mar-2014	Web application Security Approach against Online Password guessing attacks using CAPTCHA	International Conference on Research Trends in Engineering sciences-ICRTES 2014 ISBN:978-93-5107-223-2		131-135		
6	G.V.Koli, R.V. Mane	Mar-2014	Classification and Plagiarism Detection in Research Proposal selection Process	International Conference on Research Trends in Engineering sciences-ICRTES 2014 Publication Partners Elsevier Science and Technology		101-105		

				ISBN:978-93-5107-223-2				
7	Swati Patil, R.V. Mane	Aug-2014	Optimization of tree-based association rules mined from XML document for XML query answering	Elsevier Second International Conference on Emerging Research in computing, Information, communication and Applications ERICA-2014			2.25	
8	Rohini Varne, R.V. Mane	10-11 Aug-2014	A robust approach to resist online password guessing attacks	IEEE International Conference on Advances in communication and computing technologies				
9	R.V. Mane, Dr.V.R. Ghorpade	5-7 th Feb 2015	Poster Presented on Design and analysis of Association rule Mining Algorithms for constraint based Sequential patterns.	IRISS 2015: 9th Inter-Research-Institute Student Seminar in Computer Science Organized by ACM India				
10	Mahesh Bhosale, R.V. Mane	March 2015	Study and analysis of Cluster Optimization Algorithms: PSO and CI	International journal of Modern Trends in Engineering and Research e-ISSN-2349-9745			1.711	
11	Sangram Patil,Mrs.R.J.Deshmukh	March 2015	Indexing on uncertain data using u-quadtrees	International journal of Modern Trends in Engineering and Research e-ISSN-2349-9745			1.711	
12	Prajakta R. Padhye, R. J. Deshmukh	2016	A marketing solution for cross-selling by high utility itemset mining with dynamic	Conference: - 2016 International Conference on Computational Techniques in	-	367-373	-	978-1-5090-0082-1/16

			transactional databases	Information and Communication Technologies (ICCTICT)				
13.	Bhagyashri A. Patil, R. J. Deshmukh	2016	DP-FIM FOR DATA LINKAGE USING ONE CLASS CLUSTERING TREE FOR MOVIE RECOMMENDATION	Proceedings of INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND ENERGY SYSTEMS (ICCCES-16)	-	346-349	2.776	CSEIT 07
14.	Prof. R. J. Deshmukh, Mr. Avadhoot S. Idate	2016	Study Of Recurrent Neural Networks Based Water Level Forecasting for Flood Control: Case Study on Koyama Dam	Proceedings of INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND ENERGY SYSTEMS (ICCCES-16)		407-410	2.776	
15.	Pooja M. Koli, R. J. Deshmukh	2016	STUDY OF QOS WITH THE USE OF SERVICE PRE-ALLOCATION METHOD BASED ON WSR RESULTS	Proceedings of INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND ENERGY SYSTEMS (ICCCES-16)		394-396	2.776	
16.	Rashmi V. Mane, Dr.V.R.Ghorpade	Sep 2016	A comparative study of CARM and BBT algorithm for generation of Association Rules	International Journal of Computer Technology and Applications ISSN:2229-6093	7, Issue-05	653-657	2.804	
17.	Rashmi V. Mane, Dr.V.R.Ghorpade	Nov. 2016	Use of constraints in Pattern Mining: A Survey	International Journal of Computer Sciences and Engineering Open Access Journal E-ISSN 2347-2693	Vol-4 Issue -11	95-99	2.162	

18	Rashmi V. Mane, Dr.V.R.Ghorpade	9-10 th Dec 2016	Predicting Student Admission Decisions by Association Rule Mining with Pattern Growth Approach	International conference on Electrical, Communication, Computer Technologies and optimization Techniques ICEECCOT-2016 <u>DOI:10.1109/ICEECCOT.2016.7955215</u> Electronic ISBN: 978-1-5090-4697-3 Print on Demand (PoD) ISBN: 978-1-5090-4698-0				
19	Siddharaj Pujari, R.V.Mane, Dr.v.R.Ghorpade	11 th March 2017	Analysis of TRuleGrowth algorithm for discovery of Sequential Rules	International conference on emerging trends in engineering, technology and architecture at Dr.D.Y. Patil College of Engineering and Technology, Kolhapur International Journal of Engineering Research and Technology, ISSN:0974-3154 Vol-10. Number 1(2017) 396-399				
20	Komal Rokade,Rashmi Mane	Jun20 17	More Focus on Tax Evasion Detection with Graph based approach	IOSR Journal of Computer Engineering (IOSR-JCE) Pp. 05-08 e-ISSN:2278-0661, p-ISSN:2278-8727				

21	R.V. Mane, Dr.V.R.Ghorpade	July20 17	Classification of data with Generation of Constraint based Association Rules and Sequence Rules from Sequential Dataset	CSI Journal of Computing CSIJC, July, 2017, (e-ISSN:2277-7091)	Volume 3, No. 2	43-53		
22	Anuja Deshpande, R.J. Deshmukh	July- 2018	Improving efficiency of high utility pattern mining algorithm using constraints	International Conference on Inventive Research in Computing Applications (ICIRCA-2018), RVS college of engg. And Technology, Coimbatore, Tamil Nadu.				
23	Anuja Deshpande, R.J. Deshmukh	Aug 2018	Discovery of High utility patterns from retail database with adding constraints on LBHUP algorithm	International Journal of Computer Sciences and Engineering e-ISSN: 2347-2693	Vol. 6, Issue -8			
24	R.J. Deshmukh, Sneha Dhole	July 2018	Association rule for prediction of consumer purchase intention with use of decision tree algorithm	International Journal of Innovations in Engineering and Technology	Vol. 10, Issue - 4,2018			
25	Ashwini Shirolkar, R.J. Deshmukh	Aug 2018	Discovering topic experts in the twitter dataset using LDA modeling	International Journal of Computer Science and Engineering ISSN: 2347-2693	Vol. 6 Issue 8 Aug 2018			
26	Dhanraj Patil, R V Mane	2017	Improving the availability and reducing redundancy using deduplication of	Third International Conference on Computing, Communication, control and automation	978-1-5348-4008			

			cloud storage system.	(ICCUBEA)	-1			
27	Dr.R.J.Deshmukh, C.J.Awati, Ajay Deshmukh	Sep 2019	Use of Convolution Neural Network Algorithm for Implementation of an autonomous vehicle	International Journal of Scientific and Technology Research Volume 8, Issue 09, September 2019	ISSN 2277 - 8616			
28	Snehal Chavare,C.J.Awati ,R.J.Deshmukh,So nam Patil,Ajit kolekar	Sep 2019	A review on smart deep learning for recommendation system	International Journal of Scientific and Technology Research Volume 8, Issue 09, September 2019	ISSN 2277 - 8616			
29	Shubhangi Khot,A.a.Manjreka r,R.j.Deshmukh	23-24 July 2020 Comp uting Volu me 1270, Pages 621 – 628- 2021	Privacy preservation for data sharing with multi party access control in cloud computing: A review paper	5 th International conference on ICT for sustainable development, Goa ICT4Sd2020 In book • ICT Systems and Sustainability DOI: 10.1007/978-981-15-8289-9_60 <u>Advances in Intelligent Systems and Computing</u> book series (AISC, volume 1270) Scopus: Book Series	anuar y 2021			
30	Rashmi More, C.J.Awati, Dr.Shirgave, Dr.R.J.Deshmukh, Sonam Patil	Oct- 2020	Credit card fraud detection using supervised learning approach	IJSTR-	ISSN 2277 - 8616			
31	Rashmi Deshmukh, Shital	01-02 Nov.	Study and investigation	1 st International Conference on				

	Gaikwad	2021	of PKI based block chain Infrastructure	machine intelligence and system sciences By Techno college of engg., Agartala and Tongyeong University, Busan, South Korea. MISS-2021				
32	Rashmee Wadgave,srushti Karoshi,Pranali Ravan,Rutuja Santikar,Rashmi Deshmukh	07-09 th April 2022	Web application-based event organization portal using mean stack Paper Presented	International Conference on Sustainable Computing and Data Communication Systems (ICSCDS2022) organized by Shree Venkateshwara Hi-Tech Engg.Collge, Erode, India DOI: 10.1109/ICSCDS53736.2022.9760955 Scopus: conference Proceeding	978-1-6654-7884-7/22 IEEE conference			
33	Rajni Zambre, C.J.Awati, Rashmi Deshmukh, Suresh Shirgave	28-30 Apr 2022	A Theoretical Study on CNN based Cotton Crop Disease Detection	6 th International conference on trends in Electronics and Informatics (ICOEI - 2022), Tirunelveli India DOI: 10.1109/ICOEI53556.2022.9777219 Scopus: conference Proceeding	ISB N: 978-1-6654-8328-5 IEEE conference			

34	Yash Shringare, Anshul Sarnayak, Rashmi Deshmukh	Oct 2022	Springer Book Chapters, Intelligent Systems Reference Library Book Series (ISRL Vol.232) pp.211-224	Book: Explainable AI: Foundations, Methodologies and Applications. DOI: 10.1007/978-3-031-12807-3 Chapter Title: Face Mask Detection Based Entry Control Using XAI and IoT.	Springer Book Chapters			
35	Rashmi Deshmukh, Sheetal S. Zalte-Gaikwad	October 2022	Book chapter: Study and Investigation of PKI-Based Blockchain Infrastructure	Book: Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 By Taylor Francis Group Edition 1st Edition First Published 2022 Imprint CRC Press Pages 9 eBook ISBN 9781003279044 DOI: 10.1201/9781003279044-6				
36	Rupali Dhabarde, D.V. Kodavade, Rashmi Deshmukh, Sheetal S. Zalte-Gaikwad	October 2022	Book Chapter: Recognition of Facial Expressions in Infrared Images for Lie Detection with the Use of Support Vector Machines	In book: Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 By Taylor Francis Group Pages 11 eBook ISBN 9781003279044 DOI: 10.1201/9781003279044-11				
37	Rajani Zambare	2022/8/6	Deep Learning Model					

	Rashmi Deshmukh Chetan Awati* Suresh Shirgave Sandeep Thorat Sheetal Zalte		for Disease Identification of Cotton Plants Scopus Indexed Journal Specialusis Ugdymas 1 (43), 6684-6695					
38	Vaishali Sawant, Rashmi Deshmukh, Chetan Awati	February 2023	Machine learning techniques for prediction of capacitance and remaining useful life of supercapacitors: A comprehensive review	Journal of Energy Chemistry Volume 77, February 2023, Pages 438-451 Impact factor: 13.5999				
39	Anagha G. Patil, S.M. Bhosale, R. J. Deshmukh and sheetal Gaikwad	2023 April	Prediction and analyzing air quality of Shirol MIDC using ML	Journal of Emerging Technologies and innovative research (JETIR) Open icescape reviewed Refereed Journal ISSN-2349-5162				
40	S. Zalte1,*, H. Bhatia2, R. Deshmukh3, N. Gupta4 and R. Kamat5	June 2023	Book chapter: Overview of Attack Surfaces in Blockchain	Blockchain Applications in Cybersecurity Solutions Editors: Agrawal and Gupta ISBN (Online): 978-981-5080-59-9 ISBN (Paperback): 978-981-5080-61-2 © 2023, Bentham Books imprint. Published by Bentham Science Publishers Pte. Ltd. Singapore. All Rights Reserved. ISBN (Print): 978-981-5080-60-5 First published in 2023. <i>Blockchain Applications in</i>				

				<i>Cybersecurity Solutions</i> , 2023, 62-80				
41	Shreyas Desai; Sahil Salunkhe; Rashmi Deshmukh; Shital Gaikwad	Jan 2024	Publisher: Wiley-IEEE Press Edition 1 Book Chapter is part of: Machine Learning Applications: From Computer Vision to Robotics	, "Study and Analysis of Machine Learning Models for Detection of Phishing URLs," in <i>Machine Learning Applications: From Computer Vision to Robotics</i> , IEEE, 2024, pp.85-95, doi: 10.1002/9781394173358.ch6.				
42	Nikhil chougule , C.J. Awati, Dr.R.J. Deshmukh	18-19 Jan 2024	5 th International conference on Mobile computing and sustainable informatics (ICMCSI 2024) Lalitpur, Nepal 2024 5th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI) ISBN: 979-8-3503-9523-5 Organized by Tribhuvan University, Nepal	Using AWS SageMaker to Deploy ML Credit Card Fraud Detection Model	doi: 10.1109/ICMCS I615 36.20 24.00 029			
44	Rashmi Deshmukh, Shravan Salunkhe, Pratik Patil, Ganesh Lohar, Shreeyash Patil, Pranav Sinh Patil	August 8, 2025	Book Chapter: Enhancing Financial Document Digitization: Handwritten Text Conversion to Digital Using Convolution Neural Networks	Book Series: Computational Intelligence Techniques Book Title: AI and Fintech: Revolutionizing the Financial Landscape. Publisher: CRC, Taylor and Francis, U.K ISBN 9781032825175 344 Pages 53 B/W Illustrations August 8, 2025 by				

				CRC Press				
45	Abhijeet Ardalkar, R.J. Deshmukh, C.J.Awati	June 2-3, 2025	<p>Proceedings of International Conference on Innovations in Cybersecurity and Data Science (ICICDS-2025), which will be held on June 2-3, 2025 at REVA University, Bengaluru, India</p> <p>Sponsored by Springer</p>	Consensus Algorithm Improvements for Blockchain- Based Voting Systems: Enhancing Efficiency and Security				
46	Swapnali Jadhav, C.J.awati, R.J. Deshmukh	17-19 June 2025	<p>6th International Conference on Intelligent Communication Technologies and Virtual mobile Networks (ICIV 2025) by Francis Xavier Engg.Tirunrveli, Tamil Nadu, India</p>	Deep Learning Based Visible ND Infrared Image fusion using dual branch attention network for enhanced structural clarity				
47	Reva Patil, R J Deshmukh	11-10- 2025	<p>2025 2nd Asian Conference on Intelligent Technologies (ACOIT), KOLAR, India, 2025, pp. 1-8, Doi:</p> <p>2nd Asian Conference on Intelligent Technologies (ACOIT) organized by</p> <p>Dr. T. Thimmaiah Institute of Technology, Kolar from 10th October 2025 to 11th</p> <p>October 2025</p>	A Comprehensive Review of Brain MRI -Based Autism Detection Techniques	10.1 109/ ACO IT66 109. 2025 .114 3690 8.			

48	Aishwarya Chavan	7-8 Nov. 2025	<p>International Conference on future Te4chnologies, by WCE Sangli</p> <p>Paper Presented</p>	<p>Multimodal Deep Learning by Robust cyberbullying on online platforms: overview</p> <p>A. M. Chavan and R. J. Deshmukh, "Multimodal Deep Learning for Robust Cyberbullying Detection on Online Platforms: An Overview," <i>2025 International Conference on Future Technologies (ICFT)</i>, Sangli, India, 2025, pp. 1-8, Doi: 10.1109/ICFT66708.2025.11336674. keywords: {Deep learning;Ethics;Adaptation models;Visualization ;Reviews;Cyberbullying;Metadata;Transformers;Real-time systems;Multilingual ;Cyberbullying;Cyberbullying detection;RoBERT;Social media;Machine learning;Natural Language processing},</p>				
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D) Books with ISBN with details of publishers-

Text Book Titled” Computational Theory Problems and Solutions” by Dr. Rashmi Deshmukh, Dr. Sheetal Zalte-Gaikwad, Dr. Neha Gupta published on 15th July 2022 Pacific Books International, New Delhi with ISBN: 978-93-92469-49-7.

E) Details of patents and income generated -

8. Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies-

1. **Invited as subject expert for Interviews at Dr.Bapuji Salunkhe Institute of Engg. and Technology on 10th Jun 2015**
2. **Invited as an observer for Online Entrance Exam conducted by Shivaji University, Kolhapur conducted at K.I.T.college of Engg. and Technology on 24th May 2016**
3. **Invited as subject expert for Interviews at Dr.Bapuji Salunkhe Institute of Engg. and Technology on 6th Jun 2016**

9. Participated in external Workshops / Seminars / Conferences recognized by national/international professional bodies

- Attended ‘National Symposium on Emerging Trends in Database Technology’ held on Oct-2004 at PIET, Pune.
- Participated in a workshop for ‘Syllabus Formation and Structure of final year Information Technology’ organized by Textile and Engineering Institute, Ichalkaranji on Jan-2005.
- Participated in a workshop for ‘Online Examination System for S.E. (CSE) course’ organized by T.K.I.E.T. Warananagar on Jun-2008.
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- Participated in a **Two-week** ISTE workshop on ‘Database Management Systems’ conducted by IIT, Bombay in Dec-2010.
- Worked as a Paper Setter, Examiner for S.Y.B.Tech. And T.Y.B.Tech.
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- Participated in a **Two-week** ISTE workshop on ‘**Solar Photovoltaic**’ conducted by IIT, Bombay in Dec-2011.
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- Participated in a Two-day ISTE workshop on ‘**Writing Effective Skills**’ conducted by IIT, Bombay in Feb-2012.
- Participated in a **Two-week** ISTE workshop on ‘**Introduction to research methodology**’ conducted by IIT, Bombay in May-2012.
- Participated in a **Two-week** ISTE workshop on ‘**Database Management System**’ conducted by IIT, Bombay in 21st-31stMay-2013.
- Participated in “**Latex**” one week workshop organized by department of technology on 9th Mar-16th Mar 2013.
- Participated in a **One-week** workshop on ‘**Web Technologies with PHP**’ conducted by Department of Computer Science and Technology, Shivaji University, Kolhapur in 20st-24th Sep-2013.
- Participated in an International workshop on ‘**International Interactive Workshop on Effective Academia Leadership Strategies**’ at Kuala Lumpur, Malaysia conducted by Meghe Group of Institutions, Nagpur in 12th-14th Dec-2013.
- Attended 43rd ISTE National Annual Convention Workshop at TKIET on 19th -21st Dec-2013.
- Organized one day workshop on “Spoken Tutorial” for teachers of various Engineering colleges on 29th Jan 2014.
- Worked as coordinator for Annual Tech-Fest of Department of Technology, Shivaji University, Kolhapur “CRYPTRIX 2K14” in March 2014
- Participated in IBM Rational SEED for quality program from 11-11-2013 to 14-11-2013
- Participated in C
- **Participated in C++**

- Participated in JAVA
- Participated in Scilab
- Participated in a **Two-week** ISTE workshop on ‘**Computer Programming**’ conducted by IIT, Bombay in Jun-2014. (16th-20th June 2014)
- Participated in a **Two-week** ISTE workshop on ‘**Cyber Security**’ conducted by IIT, Bombay in 10th July to 20th July 2014
- Participated in a Two-day International conference on “**Urban Rural Divide-Bridging the Technology Gap**” conducted by IIT, Bombay on 16th Aug-17th Aug 2014
- Participated in a 5 days’ Continuing Education and Quality Improvement Program (CE and QIP) workshop on “**Computing Techniques for solving engineering Problems**” under TEQUIP conducted by DOT, SUK from 18th Feb to 22nd Feb 2015.
- Worked as coordinator for Annual Tech-Fest of Department of Technology, Shivaji University, Kolhapur “**CRYPTRIX 2K15**” in March 2015
- Attended **two-week** workshop on “Environmental studies” conducted by IIT Bombay from 2nd June to 12th June 2015
- Attended workshop on “MatLab Fundamentals” and “Signal Processing” conducted by Mathworks, Bangalore at DOT, SUK from 7th July-9th July 2015
- Organized a Student Day on 15th Oct 2015 by CST with Poster Presentation Quiz Competition and Art Exhibition.
- Participated in One day workshop of Bee-Keeping in March 2016.
- **Four-week** AICTE approved FDP by IIT, Bombay on “Use of ICT in Education for online and blended learning” under the National Mission on Education through ICT (MHRD, Govt.of India) from 2nd May -10th July 2016
- **One week “Faculty Development Programme” organized by Department of Education from 03-10-2016 to 08-10-2016.**
- **Orientation Programme Approved by UGC-HRD Pune from 02nd Dec-29th Dec-2016**
- **Participated in FEEL Teacher, Learning and Development Intervention organized by Shivaji University, DoT, Kolhapur and conducted by College for Leadership and human Resource Development (CLHRD), Mangaluru from 19th -21st Dec 2016.**
- Committee member in women’s day held at DoT on 8th March 2017.
- Participated in One day awareness camp on bee keeping sponsored by Central Bee Research and Training Institute, Pune at Dot, SUK on 12th March 2016.
- Arrangement of HR-on-HR meet Held in DoT on 18th Mar 2017.
- Contributed as an organizing committee member for Institute level Technical Projects Contest, TECHFEST 2017 organized by DoT on 01st April 2017.
- Committee member for organizing Annual Social Gathering on 8th April, 2017.
- Arrangement of HR on HR meets Held in DoT on 7th Apr 2018.
- Education Career Exhibition events participation May 2018
- Academic Audit on August 2017, September 2017 and March 2018
- Participation in organizing committee of Annual Cultural Programme on 24th Feb 2018
- Member for University Students Council Election 2017-2018
- Participation in VanyaJeev Saptah 01-10-2017 to 07-10-2018.
- Participation on “Recent Trends in Computer Science and Engineering and Information Technology” during 28th Sep to 29th Sep 2017 at BVCOE, Kolhapur.
- Participation in annual sports committee and activities /events.
- Guide for Mechanical Students event.
- Academic Audit on August 2017, September 2018 and March 2019
- Organized ‘Sanganan’ event of CST students on 10th Sep 2018 containing game of “PUBG”, Competition of Programming and Coding club.
- Participated and got certificate of **twelve-week workshop** on NPTEL online Certification with 60% score of the course **Deep Learning** from Jul-Oct 2018.

- Expert lecture and Induction program conducted for first year Computer Science students on “Proficiency Modules “on 25th Aug 2018.
- Participated and got certificate of **eight-week workshop** on NPTEL online Certification with 60% score of the course **Data Mining** from Feb-Apr 2019.
- Participated in Management Development Programme titled "**Professional Development Training (PDT)** for TEQIP Institutions" to be held at **IIMK Kozhikode, Kerala** Campus during June 18 – 22, 2019.
- Attended “**Train the Trainers on Examination Reforms**” workshop organized by BVB college of engineering and Technology, Hubballi in Collaboration with NPIU @ KLE Technological University, Karnataka on 20th -22nd Jan 2020.
- SWAYAM ARPIT ONLINE COURSE CERTIFICATION ARPIT Course for Career Advancement Scheme (CAS) promotion Refresher Course on Teacher and Teaching in Higher Education with a "B" Grade in the proctored examination held on 16.02.2020 Savitribai Phule Pune University
- Successfully completed TEQIP Online Certification (funded by Ministry of HRD, Govt.of India) for two-week course on “**Digital Transformation in Teaching Learning Process**” from Feb 14 to 6th March 2020.
- Successfully completed TEQIP Online Certification (funded by Ministry of HRD, Govt.of India) for two-week course on “**Digital Transformation in Teaching Learning Process**” from 6th April to 22nd April 2020.
- Participated in Two Days Faculty Development Program on “**Interdisciplinary Approach of Science and Technology: Art of Human Welfare** “organized by Department of Applied Science and Humanities at Rajkiya Engineering College Azamgarh and Govt. College of Engineering Karad, held on 20th -21st April 2020 through online mode.
- Participated in **two days** Online National Workshop on “**Awareness of Intellectual Property Rights a Need of the hour**” organized by P.G. Department of Law, SUK on 8th -9th May 2020.
- Participated in **two days** Online National Workshop on “**Industrial Safety: An overview**” organized by Department of Environmental Science and University Industry Interaction Centre, SUK on 12th -13nd May 2020.
- Participated in **Faculty Development Program** on “**Research Methodology: Tools and Techniques**” organized by IILM College of Engg and Technology from 18th -22nd May 2020
- Participated in **One Day National Webinar** on “**Data Science and Applications**” organized by Govt. College of Engineering Aurangabad and Rajkiya Engineering College Azamgarh and Ujjain Engineering College Ujjain on 23rd May 2020.
- Participated in **One week Faculty Development Program** on “**Improving Teaching Learning Experience using Best Practices**” organized by Dwarkadas J Sanghvi College of Engg. Mumbai from 15th June 2020-19th June 2020.
- Participated in **National Webinar** on “**E-content Creation and E-Learning through MOOCs**” organized by Department of Library and Information Science and Barr.BKhardekar Knowledge Resource Center on 29th – 30th May 2020
- Organized and Participated in **Webinar** on “**Embedded Systems and Internet of Things**” organized by Department of Technology, SUK along with Rajiv Gandhi Government Engineering College, Kangra, HP on 4th July 2020.
- Organized a **Webinar on Deep Learning** by Department of Technology Computer Science and Technology Program, SUK guided by **Mr. Animesh Sagar** Aluminums. from Indiana University, USA on 18-09-2020.
- Organized a **Webinar on “Fastest growing technologies and opportunities in CST”** by Department of Technology Computer Science and Technology Program, SUK guided by **Mr. Ganesh Anekar** Account, M.S. from Indiana University, USA on 18-09-2020.
- Organized a **Webinar on “Goal setting and pathway to reach the goal”** by Department of Technology Computer Science and Technology Program, SUK guided by **Mr. Devmane Mahavir Arjun** on 06-11-2020.

- Organized a series of Expert Lectures on **“GATE Training”** by Department of Technology Computer Science and Technology Program, SUK guided by **Mr. Siddhraj Pujari and Ms. Seema Wazarkar** in Feb-2021.
- Attended 106th Online Short-Term Course on E-Content Development by UGC HRDC Gujarat University, Ahmedabad 23-07-2020 to 29-07-2020.
- Participated in 5 days online FDP on Universal Human values for Deeksharambh (Student Induction Program) by NIT, Patna on **23-11-2020 to 27-11-2020**.
- Participated in International Webinar on “Challenges and Opportunities in Higher Education during and after Covid-19 pandemic” by Rani Parvati Devi College of Arts and Commerce on 22nd May 2021.
- Participated and successfully completed AICTE Training and Learning Academy Online Advanced FDP on **“Redesigning Pedagogy: Educating for Innovation and Fostering for Society”** from **21-06-2021 to 25-06-2021** at A.R. College of Pharmacy and G.H.Patel Institute of Pharmacy.
- Participated and completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP** on **“Introductory Data Science and Deep Learning”** from **16-07-2021 to 20-07-2021** at International Institute of Information Technology –Naya Raipur.
- Organized Expert lecture on Fuzzy Logic on 31-08-2021 at DoT for All students of CST. Resource Person is Dr.R.R.Mudholkar.
- Attended **two week Instructor LED Live online Industrial Training** on “Full stack Android Apps Development” held during 06th to 17th Sep 2021 by Finland Labs (A unit of Revert Technologies Pvt Ltd. New Delhi).
- Online Paper Presentation competition arranged on **15th Sep 2021** for S.Y. T.Y. and Final Year B.Tech. Students
- Presented a paper at 1st International Conference on machine intelligence and system sciences by Techno College of engg, Agartala and Tongmyong University, Busan, South Korea MISS-2021.
- Organized expert lecture on “ISRO for U and U for ISRO” by Prashant Prakash Angarakh on 21-12-2021 for S.Y. to Final Year Students.
- Organized expert lecture on “Preparation of job Interviews” by Placed Students of Final Year (Komal Purohit, Shreyas Patil, Tejal Ambolkar) 07 and 08 Jan 2022.
- Attended and completed **FDP on Elevated Analytics: Block chain Deals with Big Data on 22nd Nov – 3rd Dec 2021** organized by E and ICT Academy NIT Warangal Sponsored by Ministry of Electronics and Information Technology, GOI in association with RIT, Sakhrle.
- Participated in AICTE Training and Learning Academy Online Elementary FDP on **“Recent Trends in Food Processing and Preservation Technologies”** from 01-02-2022 to 05-02-2022 at Department of Technology.
- Reviewer for Manuscript titled "Fundamental Fallacies in Definitions of Explainable AI: Explainable to Whom and Why?" has been submitted to our upcoming book entitled Explainable AI: Foundations, Methodologies, and Applications, which will be published by Springer in Apr 2022.
- Reviewer for Manuscript titled "Application of Machine Learning and Resampling Techniques to Credit Card Fraud Detection," for the Journal of the Nigerian Society of Physical Sciences on 26 Apr. 2022.
- Conducted “IoT Hands-on” workshop by Ms. Megha Patil, IoT Development Engineer from Procom Enterprises, Ichalkaranji to improve IoT skills of students which would help them to enhance Project Design and employability skills on 29-04-2022.
- Participated in FDP from 23-05-2022 to 28-05-2022 on Moodle Learning Management System organized by DoT, SUK with course material provided by Spoken Tutorial Project, IIT Bombay.
- शिवाजी विद्यापीठाच्या नवोपक्रम, नवसंशोधन व साहचर्य केंद्र (SCIIL) व एसयुके रिसर्च अँड डेव्हलपमेंट फौंडेशन (SUKRDF) मार्फत प्रत्येक महिन्यामध्ये ' **नवोपक्रम मेळा**' घेतला जातो. मे

२०२२ मध्ये ' Innovative Idea' मागवण्यात आल्या होत्या त्याचे परीक्षण गुरुवार 16 जून २०२२ रोजी Main Building Shivaji University Room No. 302 येथे सकाळी 10.45 वाजता ठेवण्यात आले आहे. आपला अनुभव लक्षात घेवून आमच्या केंद्रातर्फे सदर मंथली इनोव्हेशन चॅलेंज करीता आपण परीक्षक म्हणून उपस्थित राहावे अशी विनंती आहे

- Participation in **One week FDP** on “**Amazon Web Services**” from 22-08-2022 to 27-08-2022 organized by DoT,SUK in collaboration with Brainovision Solutions India Pvt.Ltd. AICTE, Delhi.
- Successfully completed a 4 week faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from **20th Sep -19th Oct 2022** and **obtained Grade A+ conducted by Ramanujan College University of Delhi**
In collaboration with MIT School of Education & Research, MIT Art, Design & Technology University under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
- Workshop co-coordinator for Shivaji University, Kolhapur organizing Faculty Development Program on Moodle LMS

Host College: Shivaji University Maharashtra

Event Coordinator Name: Dr. R.J. Deshmukh, Ms. R.J Dhabarde

FOSS: Moodle Learning Management System

- Successfully completed **FDP(12 week course)** by NPTEL-AICTE funded by MoE,Govt.of India on NBA Accreditation and Teaching and Learning in engineering (NATE) with score of 71%. From Jan –Apr 2023
- Overall management for Technical Project competition 2022-23 held on 10th May 2023.
- Attended CRC Meeting held on 13-04-2023 for Ph.d.
- Participated in National Level **One week FDP on Advances in 5G and Next Generation Networks(5GNGN)** virtually organized by Dept. of E and TC Engg.Sinhgad Institute of Technology,Lonavala and Dept. of EE,Yeshwantrao Chavan College of Engg. Nagpur. **Sponsored by IEEE Bombay Section and Supported by IEEE SITSB and YCCESB during June 26-30 ,2023.**
- Interview scheduled for International students for Admission at SUK under ICCR Scholarship at SUK on 23rd June 2023
- **Meeting scheduled on 01-08-2023 for implementation of Syllabus from AY2023-24 for all Engineering branches as per NEP 2020.**
- **Conducted a programme of “Meri Mati Mera Desh “ under “Azadi ka Amrit Mahotsav” on 09-08-2023.**
- **Organizing committee member for poster and Registration committee in International conference ICFAST 2023 held on 7th to 9th Sep 2023.**
- **Expert lecture delivered for Navodaya Vidyalaya students on 12-09-2023 at Nilambari Hall,Botani where Regional children Congress 2023 held by Navodaya Vidyalaya Samiti from 11th -15th Sep 2023.**
- **Engineers day celebration on 15-09-2023 and C Programming contest held for all the students of DoT,SUK.**
- **Organized one day workshop on Marathi Wikipedia for teachers,students,PhD scholars on 24-01-2024, Main Speaker- Prof. Rahul Deshmukh, IIT, Bombay and Laxmikant Deshmukh, Bhasha Sanchanalaya,Govt.of Maharashtra.**
- **Consultancy of 3000/- for central egg hatchery, Tarabai Park Kolhapur.**
- **BOS of St.John College of Engineering and Management.**
- Phd Guideship on 9th Sep 2024
- Parent meet 19 Oct 2024
- Student coding club contest 22-10-2024
- Article in Maharashtra Dinman in 28-10-2024

- Participated in One-Week National Level Faculty Development Program (FDP) on "Generative AI and Advanced Tools for Academic Research," by Scrollwell from December 09-15, 2024.
- Successfully completed “06 days national level FDP on Generative AI for effective teaching “ held from 06-01-2025 to 11-01-2025 hosted by department of Management studies DKTE and AICTE Idea Lab
- FDP of 8week Jan-Mar 2025 on Designing Learner- Centric MOOC funded by MoE,Govt.of India with Elite.

10. Papers Presented in Workshops / Seminars / Conferences conducted or recognized by professional agencies

1	Rashmi Mane,Dr.V.R.Ghorpade	Dec-2015 (02 nd -05 th Dec 2015	Association Rule Mining for Finding admission tendency of Engineering students with Pattern Growth Approach	CSI-2015, 50th Golden Jubilee Annual Convention on “Digital Life’ at New Delhi
2	R.J.Deshmukh	11-12March 2016	Review on Image analysis, Mining Approaches and Techniques	UGC Sponsored Two Day National Conference on Applied Statistics, Organized by Department of Statistics, Shivaji University, Kolhapur

11. Participation in staff development programmes

a. Orientation programmes-

1. Participated in orientation programme on ‘**Advances in Teaching Strategies and Evaluation**’ organized by Department Of Education, Shivaji University, Kolhapur on 12th -13th Oct. 2012
2. Participated in one day Orientation program held by Shivaji University, Kolhapur on 7th Mar 2014 on “**Sexual Harassment of women at workmanship**”.
3. Participated in one day Orientation program held by Shivaji University, Kolhapur on 22nd Jan 2019 on “**Sexual Harassment of women at workmanship**”.

b. Staff training conducted by the university

1. Attended a workshop on ‘Research in Information System and Computing’ organized by Department of computer science, Shivaji University, Kolhapur on Oct-2009
2. Participated in a workshop on ‘Research Methodology and Quantitative Techniques’ held by Department of Commerce and Management, Shivaji University on Dec-2010.
3. Participated in a workshop on ‘Emerging Technologies for sustainable developments’ held by Department of technology, Shivaji University on Dec-2012

4. Participated in a Two-day workshop on '**A brain Storming Session for Application of Technology for sustainable development in the state of Maharashtra**' organized by Maharashtra Academy of Sciences and Shivaji University, Kolhapur on 26th -27th November 2012.
5. Attended "**A National symposium on Business analytics and Data Mining**" during 21-22 March 2014.
6. Participated in One day Seminar on "Hazop Management in Industry" held at Department of Technology, Shivaji University, Kolhapur dated July 23 ,2015
7. Invited as DPO(Departmental Placement Officer as a single point of contact for various disciplines in Shivaji University held on 12th May 2016
8. Attended One day workshop for Coordinators of Avishkar Research Competitions held on 7th Sep 2016 at DOT, SUK.

c. Summer/Winter schools, workshops, etc.

1. Participated in **a INSPIRE Science Camp** organized by Department of technology, Shivaji University, Kolhapur on Jun-2012