

## Teacher Profile

1. Name : Dr. Chetan Jayprakash Awati.
2. Address : Flat No. 202, Shreeman Heights, Jagdale Colony,  
Near Pratibha Nagar, Kolhapur- 416008  
Kolhapur.
3. Email\_ID : cja\_tech@unishivaji.ac.in
4. Date of birth : 4<sup>th</sup> July 1981
5. Degrees Obtained : Ph.D. (Computer Science & Engineering),  
M. Tech (Computer Science & Technology)
6. Contact No. : 9850695437

### 7. Educational Qualifications

University	Degree	Year	Field of specialization	Marks Obtained
SSC Board, Kolhapur	S.S.C.	1996	-	86 %
HSC Board, Kolhapur	H.S.C.	1998	-	76.83 %
Shivaji University, Kolhapur	B.E.	2002	Computer Science and Engineering	65.50 %
Shivaji University, Kolhapur	M. Tech	2011	Computer Science and Technology	70.70 %
Shivaji University, Kolhapur	Ph. D.	2024	Computer Science and Engineering	Pass

### 8. Teaching Experience: 20 years

Designation	From	To	Years	Classes taught	Name & Address of the Institution
Lecturer	07/07/2003	31/12/2007	4 Years 6 months	B.E.(CSE), T.E.(CSE), S.E. (CSE)	Rajarambapu Institute of Technology, Sakharale
Assistant Professor	05/01/2008	20/11/2012	4 years 10 months	B.E.(IT), T.E.(IT), S.E.(IT)	Bharati Vidyapeeth's College of Engineering, Kolhapur
Assistant Professor	21/11/2012	25/12/2024	12 years 1 month 4 days	S.Y. B. Tech (CST), Final Year B. Tech(CST),	Department of Technology, Shivaji University, Kolhapur

				M.Tech (CST)	
Associate Professor	26/12/2024	Till date		S.Y. B. Tech (CST), Final Year B. Tech(CST), M.Tech (CST)	Department of Technology, Shivaji University, Kolhapur

### 9. Consultancy and sponsored research activities

Year	Organization	Project title	Amount received (In Rs.)
2006- 07	Walwa Panchayat Samiti, Walwa	“Automation of Walwa Panchayat Samiti ”	----
2023-2024	Kolhapur District Central Egg Hatchery	Computer Verification	2,361/-

### 10. Publications

Sr. No.	Name of Author/s	Title of the Paper	Name of Journal	Year	Volume & Issue	Page Nos.	Impact Factor	citation	ISSN No.
1.	Mr. C. J. Awati	“ Inadequate Departmental Information System”	International Conference on Quality circle conventions at Changwon, South Korea	8 <sup>th</sup> to 11 <sup>th</sup> Nov. 2005	--	--	--	--	
2.	Mr. C. J. Awati	“Improving Efficiency of Trse Scheme By Employing Public Key Compression Technique For Fully Homomorphic Encryption Over The Integers”	International Journal of Engineering Research & Technology	Jan 2014	Volume No. 3, Issue 1,	2848-2853	1.76	1	2278-0181
3.	Mr. C. J. Awati	“Evaluating Effectiveness of Mobile Web Search Personalization	IFRSA’s International Journal of	Jan 2014	Volume 4, Issue 1	464-467	2.456		2230-9039 (Online )

		using Explicit & Implicit User Profiles”	Computing						2231-2153 (Print)
4.	Mr. C. J. Awati	“Mobile Web Search Personalization using Explicit & Implicit User Profiles”	International Conference on Industrial Electronics and Computer Engineering (ICIECE) at New Delhi on 3 <sup>rd</sup> August 2014	Aug 2014	--	34-39	--		ISBN 978-93-84209-41-4
5.	Mr. C. J. Awati	Reducing Communication overhead in TRSE using Fully Homomorphic Encryption Scheme over the integers	International Conference on Advances in Science, Engineering and Technology (ICASET), held at Chennai on 14 <sup>th</sup> Sept. 2014	14 <sup>th</sup> Sept. 2014	----	8-12			ISBN 978-93-84209-51-3
6.	Mr. C. J. Awati	Techniques of Mapping XML Data: A Survey	International Journal of Advance Research in Computer Science and Management Studies	May 2015	Volume 3, Issue 5	330-334	5.47	2	2321-7782 (Online) 2347-1778 (Print)
7.	Mr.	Ranking and	International	May	Volume	305-	1.711		2349-

	C. J. Awati	Recommendation of Query Form: A Survey	Journal of Modern Trends in Engineering and Research	2015	2, Issue 5	308			9745  (Online)  2393-8161 (Print)
8.	Mr. C. J. Awati	Hybrid Self-Adaptive Semantic Focused Crawler: A Survey	IJSRD - International Journal for Scientific Research & Development, 2015	June 2015	Vol. 3, Issue 04	586-587	1.82		2321-0613
9.	Mr. C. J. Awati	Survey on Review Analysis of Sentence	IJMTER- International Journal of Modern Trends in Engineering and Research	19 <sup>th</sup> May 2016	Vol. 3, Issue 05	56-59	3.518		2349-9745  (Online)  2393-8161 (Print)
10.	Mr. C. J. Awati	Survey Paper on Response Aware Probabilistic Matrix Factorization	IRJET – International Research Journal of Engineering and Technology	June 2016	Vol. 3, Issue 6	2447-2449	4.45		e-ISSN: 2395 - 0056  p-ISSN: 2395-0072
11.	Mr. C. J. Awati	A Survey on Implementation of Presentation Slide from Articles	IRJET – International Research Journal of Engineering and Technology	June 2016	Vol. 3, Issue 6	2650-2655	4.45		e-ISSN: 2395 - 0056  p-ISSN: 2395-0072

12.	Mr. C. J. Awati	An Approach to Improve Structure of Website for Effective User Navigation	IRJET – International Research Journal of Engineering and Technology	July 2016	Vol. 3, Issue 7	1223-1227	4.45		e-ISSN: 2395 - 0056  p-ISSN: 2395-0072
13.	Mr. C. J. Awati	Opinion Analysis of Text on the Basis of Three Domain Classification	2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT)	10th Sept 2016	--	1-5			978-1-5090-2080-5/16/\$3 1.00 ©2016 IEEE
14.	Mr. C. J. Awati	Automatic Era: Presentation slides from Academic Paper	2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT)	10th Sept 2016	--	1-5			978-1-5090-2080-5/16/\$3 1.00 ©2016 IEEE
15.	Mr. C. J. Awati	A Review Paper on Data Hiding in Encrypted Image by Reversible Image Transformation	International Journal of Advanced Engineering Research and Science (IJAERS)	Dec 2016	Vol. 3, Issue 12	32-35	4.192		ISSN: 2349-6495(P)   2456-1908(O)
16.	Mr. C. J. Awati	Attribute-Based Data Access Policy & Key Escrowing Problem: A Review Paper	International Journal of Advanced Engineering Research and Science (IJAERS)	Dec 2016	Vol. 3, Issue 12	27-31	4.192		ISSN: 2349-6495(P)   2456-1908(O)

17.	Mr. C. J. Awati	Decompression of JPEG Document Images: A Survey Paper	International Journal on Recent and Innovation Trends in Computing and Communication	Dec 2016	Volume: 4 Issue: 11	271- 273	5.837		ISSN: 2321- 8169
18.	Mr. C. J. Awati	A Survey on PiCode: Picture- Embedding 2D Barcode	International Journal on Recent and Innovation Trends in Computing and Communication	Dec 2016	Volume: 4 Issue: 11	186- 189	5.837		ISSN: 2321- 8169
19.	Mr. C. J. Awati	Decompression of JPEG Document and Natural Images	International Journal of Scientific & Engineering Research	June 2017	Volume: 8 Issue: 6	1543- 1546	3.8		ISSN 2229- 5518
20.	Mr. C. J. Awati	Efficiency measurement with different demodulation techniques by designing picturesque 2D barcode	International Journal of Scientific & Engineering Research	July 2017	Volume: 8 Issue: 7	1144- 1148	3.8		ISSN 2229- 5518
21.	Mr. C. J. Awati	Classification of Singly Captured and Recaptured Images Using Sparse Dictionaries	International Journal of Advance Research in Computer Science and Management Studies	July 2017	Volume: 5 Issue: 7	1-8	7.327		ISSN Online 2321- 7782 Print 2347- 1778

22.	Mr. C. J. Awati	Overcome Key Escrow Problem with Attribute-Based Data Access Policy & Efficient Cloud Environment	IEEE Third International Conference On Computing, Communication, Control And Automation <b>ICCUBEA 2017</b>	Aug 2017		1-6			978-1-5386-4008-1/17/\$31.00 ©2017 IEEE
23.	Mr. C. J. Awati	Image Transmutation in Reversible Manner for Camouflage Image	IEEE Third International Conference On Computing, Communication, Control And Automation <b>ICCUBEA 2017</b>	Aug 2017		1-4			978-1-5386-4008-1/17/\$31.00 ©2017 IEEE
24.	Mr. C. J. Awati	Review Paper on Answers Selection and Recommendation in Community Question Answers System	International Journal on Future Revolution in Computer Science & Communication Engineering	Jan 2018	Volume: 4 Issue: 1	298-302	4.312		2454-4248
25.	Mr. C. J. Awati	A Review on Advanced Decision Trees for Efficient & Effective k-NN Classification	International Journal on Future Revolution in Computer Science & Communication Engineering	Feb 2018	Volume: 4 Issue: 2	350-354	4.312		2454-4248
26.	Mr. C. J. Awati	Efficient Classification with an Improved Nearest Neighbor Algorithm	4th International Conference On Computing, Communication, Control And Automation <b>ICCUBEA 2018</b>	16th, 17th & 18th August 2018					DOI: 10.1109/ICCUBEA.2018.8697515
27.	Mr. C. J. Awati	Prediction of accurate and expert answer selection in community question answer system	International Journal of Multidisciplinary Research Academy (IJMRA)	October 2018	Volume: 8 Issue: 10	56-63	7.119		ISSN: 2249-0558

28.	Mr. C. J. Awati	A Survey on Bitcoin –The Blockchain	International Journal of Research in Advent Technology (IJRAT) Special Issue	26th & 27th February 2019	Special Issue	71-73			E-ISSN: 2321- 9637
29.	Mr. C. J. Awati	Real Time Smart Car Parking System Using Internet of Things	International Journal of Scientific Research in Computer Science Applications and Management Studies	January 2019	Volume: 8 Issue: 1				ISSN 2319 – 1953
30.	Mr. C. J. Awati	Stable Confident Rating Prediction in Collaborative Filtering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	August 2019	Volume- 8, Issue- 10	3963- 3968	5.54		ISSN: 2278- 3075
31.	Mr. C. J. Awati	A Review On Smart Deep Learning For Recommendation System	International Journal of Scientific & Technology Research	Septemb er 2019	Volume- 8, Issue- 09	1529- 1532	3.023		ISSN 2277- 8616
32.	Mr. C. J. Awati	Use Of Convolution Neural Network Algorithm For Implementation Of An Autonomous Vehicle	International Journal of Scientific & Technology Research	Septemb er 2019	Volume- 8, Issue- 09	1533- 1536	3.023		ISSN 2277- 8616
33.	Mr. C. J. Awati	A Review On Credit Card Fraud Detection Using Machine Learning	International Journal of Scientific & Technology Research	October 2019	Volume- 8, Issue- 10	1217- 1220	3.023		ISSN 2277- 8616

34.	Mr. C. J. Awati	Credit Card Fraud Detection Using Supervised Learning Approach	International Journal of Scientific & Technology Research	October 2020	Volume- 9, Issue- 10	216-219	3.023		ISSN 2277-8616
35.	Mr. C. J. Awati, Snehal R. Chavare, Dr. Suresh K. Shirgave	Smart Recommender System Using Deep Learning	Sixth International Conference on Inventive Computation Technologies [ICICT 2021]	20-22 January 2021		231-235			978-1-7281-8501-9/\$31.00 ©2021 IEEE <a href="https://doi.org/10.1109/ICICT50816.2021.9358580">10.1109/ICICT50816.2021.9358580</a>
36.	Awati, C.J., Shirgave, S.S., Raval, V.S.	Accurate answers selection and expert recommendation in community question answers system	Proceedings - 5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021	6-8 May 2021					978-0-7381-1327-2/\$31.00 ©2021 IEEE <a href="https://doi.org/10.1109/ICICCS51141.2021.9432089">10.1109/ICICCS51141.2021.9432089</a>

37.	Chetan Awati, Suresh Shirgave	The State of the Art Techniques in Recommendation Systems	7 <sup>th</sup> International Conference on Computing in Engineering and Technology (ICCET- 2022)	12-13 Feb 2022		730-741		Online ISBN 978-981-19-2719-5 Print ISBN 978-981-19-2718-8 DOI <a href="https://doi.org/10.1007/978-981-19-2719-5_68">https://doi.org/10.1007/978-981-19-2719-5_68</a>
38.	Rajani Zambare, Chetan Awati, Rashmi Deshmukh Suresh Shirgave	CNN Theoretical study for Detection of Cotton Crop Diseases	Proceedings of the Sixth International Conference on Trends in Electronics and Informatics ICOEI 2022 DVD Part Number: CFP22J32-DVD;	28-30 April 2022		1057-1061		ISBN: 978-1-6654-8327-8 978-1-6654-8328-5/22/\$31.00 ©2022 IEEE
39.	Rajani Zambare, Chetan Awati, Rashmi Deshmukh Suresh Shirgave Sandeep Thorat Sheetal Zalte	Deep Learning Model for Disease Identification of Cotton Plants	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION	August 2022	Vol. 1 No. 43 (2022)	6684-6695		ISSN: 1392-5369

40.	Dr. V A Sawant, Dr. R. J. Deshmukh, Mr. C.J. Awati	Machine learning techniques for prediction of capacitance and remaining useful life of supercapacitors: A comprehensive review	Journal of Energy Chemistry	16 Nov 2022	Vol. 77	438-451	13.1		ISSN: 2095-4956
41.	Mr. Chetan Awati, Dr. Suresh Shirgave, Dr. Sandeep Thorat	Enhancing Diversity in Recommendation Systems using Likelihood-based Item Recommendation	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022) DVD Part Number: CFP22CB2-DVD; ISBN: 978-1-6654-8961-4	24 Nov 2022	Vol. 15 Issue 7 (2023)	625-630			978-1-6654-8962-1/22/\$31.00 ©2022 IEEE
42	Komal R. Purohit, Shubham S. Wadkar, Krishna A. Bhavsar, Atharva H. Chinchalkar, Shreyash Y. Patil, Chetan J. Awati	AiR Cursor: Virtual Mouse using Computer Vision	Journal of Shivaji University: Science and Technology	July 2023	Volume-44, Issue-2	41-49			0250-5347
43	Shahubai A. Biradar, Vijaya K. Patil, Rutuja D. Chavan, Neha S. Pakale, Chetan J. Awati	Study and Analysis of Campus Placement System using Cloud Computing	Journal of Shivaji University: Science and Technology	July 2023	Volume-43, Issue-1	73-82			0250-5347
44	Anuja P. Jadhav, Rutuja V. Borge, Archana A. Gawade, Omkar B. Chougule,	Smart Attendance System using Face Recognition	Journal of Shivaji University: Science and Technology	July 2023	Volume-43, Issue-1	64-72			0250-5347

	Chetan J. Awati								
45	Mr. Chetan Awati, Dr. Suresh Shirgave, Dr. Sandeep Thorat	Improving performance of recommendation systems using sentiment patterns of user	International Journal of Information Technology (Singapore) <b>Springer Nature</b>	26 August 2023	Volume 15, Issue 7	3779–3790	3.6		10.1007/s41870-023-01414-4 ISSN: 2511-2112
46	Mr. Chetan Awati, Dr. Suresh Shirgave	A Survey of Recommendation Systems	International Conference on Frontier Areas of Science and Technology (ICFAST-2023) on September 08-09, 2023	08-09 September 2023		70			
47	Mr. Chetan Awati, Dr. Suresh Shirgave	Hybrid Temporal Dynamics Feature Extraction in Recommendation Systems for Improved Ranking of Items	International Journal on Recent and Innovation Trends in Computing and Communication	Oct 27 2023	Volume: 11 Issue: 9	302–313	0.8		<a href="https://doi.org/10.17762/ijritcc.v11i9.8356">https://doi.org/10.17762/ijritcc.v11i9.8356</a> ISSN: 2321-8169
48	Mr. Nikhil Chougule, Mr. Chetan Awati, Dr. Rashmi Deshmukh	Using AWS SageMaker to Deploy ML Credit Card Fraud Detection Model	International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2024)	18-19 January 2024		205-211			

49	Mrs. Vishakha Shirke, Ms. A. A. Manjrekar, Mr. C. J. Awati	Methodologies for Prevention of Fraudsters in Online Payment Systems: A Review	7th International Conference on Inventive Computation Technologies, ICICT 2024	April 2024		1605 - 1610			DOI: 10.1109/ICICT601.55.2024.10544847 IS979-8350359 29-9BN:
50	Ms. Swapnali Jadhav, Dr. C. J. Awati, Dr. R. J. Deshmukh	Deep Learning-Based Fusion of Infrared and RGB Images Using Transfer Learning with CNN Architectures	National Conference on Interdisciplinary Advances in Sustainability & Technology (CIAST_25)	March 2025					
51	Mr. Shubham Bhilare, Dr. C. J. Awati, Mr. Prasanna Kore, Mr. Atharv Sabale	DDOS Attack Detection and Mitigation Using Machine Learning	National Conference on Interdisciplinary Advances in Sustainability & Technology (CIAST_25)	March 2025					
50	Mr. Chetan Awati, Dr. Suresh Shirgave, Dr. Sandeep Thorat	An Efficient Top-N-Items Recommendation System using a Hybrid Optimal Deep Learning Model	Multimedia Tools And Applications	May 2025			3.6		

## 11. Projects Work

Sr. No.	Title	Brief Outline	Year
1	“Information Sharing Through Web Services”	Web Service containing Student information is created. Through the web service we can access the student information from anywhere.	2002

2	“Intrinsic Cluster Detection Using Adaptive Grids”	Clustering is a key data mining problem. Density and grid based technique is a popular way to mine clusters in a large spatial datasets. Here a density-based clustering algorithm, Grid Density clustering using triangle subdivision (GDCT) is presented which is capable of identifying arbitrary shaped embedded clusters as well as multi density clusters over massive spatial Datasets.	2011
3	“Design and Development of Recommender System”	The research work is presented here that proposes four novel approaches to improve the performance of RSs by estimating user trust scores, using historical sentiment patterns of users, implementing deep learning approaches for top-N items recommendation, and addressing the diversity solution in RS.	2024

## 12. Research Projects

Sr. No.	Title	Agency	Year of completion	Whether Co-PI	Grant (Rs. Lakh)
1	Designing a model for autonomous vehicle with Convolution Neural Network Algorithm	Shivaji University, Kolhapur	2019-2022	Yes	1,07,000
2	Improving Accuracy of Recommendation System using Deep Learning	Shivaji University, Kolhapur	2023-2025	PI	1,82,000

## 13. Patents

Sr. No.	Title	International /National	Year
1	An Automated System For Animal Health Care Using Internet Of Things And Artificial Intelligence	National	2024

## 14. Area of Interest: Recommendation System, Data Mining, Machine Learning

### 15. Membership of scientific and professional societies:

- **Life member of ISTE- LM46552**
- **Life member of Institution of Engineers – M – 1558595**
- **Member IAENG- International Association of Members  
Member Number 174989.**
- **Member Computer Society of India**

### 16. Honors and awards:

Sr.No.	Event participated in	Prize/ Achievement
1	National Conventions for Quality Circle, Mumbai, dated 27 <sup>th</sup> – 30 <sup>th</sup> Dec. 2004.	Excellent Case Study
2	Participated in “ICQCC-2005” organized by “KSA” at Changwon South Korea dated 8 <sup>th</sup> to 11 <sup>th</sup> Nov. 2005	-----
3	Presented poster presentation titled “A Survey of Recommendation System” in 13th India – Japan Science and Technology Conclave: International Conference on Frontier Areas of Science and Technology (ICFAST-2023) on September 08-09, 2023 at Shivaji University, Kolhapur.	Awarded Best Poster Presentation-Second Prize

## 17. List of conferences, short term courses etc. organized / participated:

### a. Seminars/Conferences Attended (Give Details):

- Seminar on LINUX organized by CSESA.
- Seminar on Personality Development by Mr. Shinde.
- Presentation of Quality Circle at CCQC- 2004 at Pune.
- Attended national conference on “Recent trends in CAD/CAM/CAE” FROM June 21-23, 2004 organized by RIT, Sakharale.
- Presented and won prize of excellent case study at NCQC, Mumbai 2005 from 27-29 Dec. 2004
- Attended Two-Week ISTE-STTP on “Object Oriented Design and Analysis using Rational Suite” From 20<sup>th</sup> to 31<sup>st</sup> Dec. 2004 organized by RIT, SAKHARALE.
- Attended workshop on Syllabus Structure of Information Technology at D.K.T.E., Ichalkaranji on 11<sup>th</sup> Jan 2005
- Attended workshop on ‘Laboratory Norms Setting’ at K.B.P., Satara on Tuesday 12<sup>th</sup> April 2005
- Attended International convention on quality circles and presented paper held at Changwon, South Korea on November 8-11, 2005
- Attended STTP on “AIX System Administration Basics” at RIT Sakharale from 26<sup>th</sup> to 29<sup>th</sup> December 2005.
- Worked as “Member Organizing Committee” for “Quantum 06- A technical symposium held at RIT, Sakharale on 24<sup>th</sup> and 25<sup>th</sup> January 2006.
- Attended IEEE-International conference on “ Signal & Image Processing(ICSIP)-2006” at BVB College of Engineering and Technology, Hubli during 7 – 9 Dec. 2006
- Attended one day workshop on “Laboratory Equipments and software required” at D.Y. Patil COE & Technology, Kolhapur on 15<sup>th</sup> Sept. 2006

- Attended “ Two Days faculty training program on Software Quality Assurance” organized by CSE Department at RIT, Sakharale on 11<sup>th</sup> and 12<sup>th</sup> December 2006
- Attended international workshop on “ Accessing and Teaching for learning in outcome based engineering curricula” during 24<sup>th</sup> to 27<sup>th</sup> Dec 2006 in RIT, Sakharale
- Attended program on “Applications of DSP & IP” jointly organized by RIT, Sakharale, WCE Sangli, SGGGS, COET, Nanded & GEC, Aurangabad under TEQIP conducted at RIT, Rajaramnagar during Jan 19-20 2007.
- Delivered expert lecture on “Relational Algebra and Functions” at COE, Pandharpur on 11<sup>th</sup> August 2007.
- Delivered expert lecture on “Graph Theory” at COE, Pandharpur on 20<sup>th</sup> August 2007
- Attended workshop on “Rational Enterprise Suite” at BVCOE, Kolhapur from 26<sup>th</sup> June To 28<sup>th</sup> June 2008.
- Attended syllabus revision workshop of TE IT at TKIET, Warnanagar on 31<sup>st</sup> Jan 2009.
- Attended national workshop on “Institutional Building and NBA Accreditation” at TKIET, Warnanagar on 5<sup>th</sup> Dec 2009.
- Attended one day workshop on “Faculty Development” at BVCOE, Kolhapur on 11<sup>th</sup> Jan 2010.
- Attended syllabus revision workshop of BE IT at RIT, Rajaramnagar on 4<sup>th</sup> Feb 2010.
- Attended three days faculty development programme on “ThRust Areas in Computer Engineering” from 4<sup>th</sup> to 6<sup>th</sup> May 2010.
- Attended One –Week ISTE-STTP on “Data Warehousing & Mining” during 25<sup>th</sup> Feb 2011 to 1<sup>st</sup> Mar 2011 at Bharati Vidyapeeth’s College of Engineering, Kolhapur.
- Attended 2-Week ISTE STTP on “Software Development Techniques for Teachers of Engineering and Science Institutes” by IIT, Bombay from 5<sup>th</sup> November to 4<sup>th</sup> December 2011.
- Attended National Conference on “Emerging Technologies for Sustainable Developments” on 27<sup>th</sup> & 28<sup>th</sup> December 2012 organized by Department of Technology, Shivaji University, Kolhapur
- Attended a Workshop on “A Brain Storming session for Application of Technology for Sustainable Development in the state of Maharashtra” organized by Maharashtra Academy of Science and Shivaji University, Kolhapur on 26<sup>th</sup> & 27<sup>th</sup> November, 2012.
- Attended one day workshop on “Effective in Teaching for organizational Excellence” organized by Training Placement Cell, Department of Technology, Shivaji University, Kolhapur on 3<sup>rd</sup> January 2013.
- Attended Two–Day Workshop on “Research Methodology in Engineering and Technology” organized by IIT, Bombay on 2<sup>nd</sup> and 9<sup>th</sup> February 2013
- Worked as a Expert for ‘IMPULSE 2013’ for Computer & E & TC group at Dr. Bapuji Salunkhe Institute of Engineering & Technology, Kolhapur on 22<sup>nd</sup> Feb 2013.

- Worked as a organizing committee member in “Tech-Fest 2K13” organized by DoT, SUK on 2<sup>nd</sup> March 2013.
- Delivered guest lecture on “ANN & GA” at Information Technology Department at Bharati Vidyapeeth’s College of Engineering, Kolhapur on 9<sup>th</sup> April 2013.
- Attended LaTeX Workshop offered by the Spoken Tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India on 28th March 2013 at Shivaji University, Kolhapur.
- Attended one week ISTE workshop for coordinators on “Database Management Systems” at IIT, Bombay from 6th May to 10th May 2013
- Worked as a **workshop coordinator** for Two-week ISTE Workshop on “Database Management Systems” conducted by IIT, Bombay from 21st May To 31st May 2013 at Shivaji University, Kolhapur.
- Attended One-Week ISTE-STTP on “Recent Trends in Information Technology” sponsored by ISTE during 25<sup>th</sup> June to 29<sup>th</sup> June 2013 at BVCOE, Kolhapur.
- Attended One-Week TEQIP-II Sponsored STTP on “Web Technologies with PHP” by Dr. Krishanakant Mane at Department of Technology, Shivaji University, Kolhapur from 20 to 24 September 2013
- Attended TEQIP-II Sponsored One Day Workshop on “ Organic Electronic Devices” at Department of Technology, Shivaji University, Kolhapur on 24<sup>th</sup> September 2013.
- Attended TEQIP-II Sponsored training on “Rational Quality Management and Rational Functional Testing” at Department of Technology, Shivaji University, Kolhapur from 11th to 14th November 2013.
- Attended One-Week STTP on “Research Areas in Information Technology” sponsored by ISTE during 17<sup>th</sup> December 2013 To 21<sup>st</sup> December 2013 at BVCOE, Kolhapur.
- Attended One Day workshop on “Spoken Tutorial” conducted by IIT, Bombay and Department of Technology, Shivaji University, Kolhapur on 29<sup>th</sup> Jan 2014
- Participated in “SEED IT IDOL” competition jointly organized by SEED Infotech Ltd. and Shivaji University, Kolhapur on 10<sup>th</sup> Feb 2014.
- Attended One Day Workshop On “Renewable Energy & Energy Efficiency” organized by Divisional Office, Kolhapur of Maharashtra Energy Development Agency(MEDA) in association with Department of Technology, Shivaji University, Kolhapur held on 13<sup>th</sup> February 2014
- Worked as a **Judge** for the “**Paper presentation**” and “**Project Exhibition**” in the event “**Virtuosic 2014**” held on 13<sup>th</sup> and 14<sup>th</sup> March 2014, at SSPM’s College of Engineering, Kankavali.

- Worked as a **event coordinator** for the event “CRYPTRIX 2K 14” organized by the department of Computer Science & Technology on 20<sup>th</sup> March 2014
- Worked as a **coordinator** for the spoken tutorial workshop on “PHP & MySQL” conducted by IIT, Bombay and Department of Technology, Shivaji University, Kolhapur.
- Attended Two-week ISTE Workshop on “Computer Programming” conducted by IIT, Bombay from 16<sup>th</sup> June To 21<sup>st</sup> June 2014 at Shivaji University, Kolhapur.
- Attended Two-week ISTE Workshop on “Cyber Security” conducted by IIT, Bombay from 10<sup>th</sup> July To 20<sup>th</sup> July 2014 at Shivaji University, Kolhapur.
- Attended One – Day workshop on “Testing and Beyond Testing” by SEED InfoTech Ltd. Kolhapur on 26/07/2014 at Technology Department, Shivaji University, Kolhapur.
- Attended One – Day workshop on “Hadoop & Big Data” by SEED InfoTech Ltd. Kolhapur on 26/07/2014 at Technology Department, Shivaji University, Kolhapur.
- Attended seminar on “Android” under the event “KNOW-ledge Day” on 20<sup>th</sup> Aug 2014 at DOT, Shivaji University, Kolhapur.
- Attended seminar on “Software testing & beyond testing” under the event “Testing & beyond testing” on 16<sup>th</sup> to 17<sup>th</sup> Sept 2014 at DOT, Shivaji University, Kolhapur.
- Worked as a **Judge** for the “**National Level Paper presentation - Abhivykti**” in the event “**Pioneer 2014-15**” held on 2<sup>nd</sup> October 2014, at KIT’s College of Engineering, Kolhapur.
- Attended One-week CEP course on “ Computing Techniques for Solving Engineering Problem” conducted for Shivaji University, Kolhapur by IIT Bombay at Kolhapur during February 18-22, 2015 under Continuing Education & Quality Improvement Programme (CE & QIP)
- Worked as a **event coordinator** for the event “CRYPTRIX 2K 15” organized by the department of Computer Science & Technology on 5<sup>th</sup> March 2015
- Attended Two-week ISTE Workshop on “Introduction to Design of Algorithms” conducted by IIT, Bombay from 25<sup>th</sup> May To 30<sup>th</sup> May 2015 at Shivaji University, Kolhapur.
- Working as a Co-ordinator for M.Tech(CST).
- “MatLab Fundamentals” and “Signal Processing” conducted by Mathworks ,Bangalore at DOT,SUK on 7th July-9th July 2015.
- Attended one day workshop on “Signal Processing with MATLAB” by MathWorks training services at Department of Technology, Shivaji University, Kolhapur on 8<sup>th</sup> July 2015.
- Attended one day seminar on “Hazop Management in Industry” under TEQIP-II organized by Chemical Technology Program, Department of Technology, Shivaji University, Kolhapur on 23<sup>rd</sup> July 2015.
- Worked as a **Judge** for the “**National Conference – Emerging Trends in Engineering & Technology (NCETET-2016)**” held on

- 1<sup>st</sup> March 2016, at Bharati Vidyapeeth's College of Engineering, Kolhapur.
- Attended a Four Week AICTE approved FDP by IIT Bombay on - Use of ICT in Education for Online and Blended Learning from 2<sup>nd</sup> May to 10<sup>th</sup> July 2016
  - Attended One Week Management Capacity Enhancement Programme held at Indian Institute of Management, Indore during 23 August to 29 August 2016.
  - Participated in the **General Orientation Programme** conducted at Department of Technology, Shivaji University, Kolhapur from 2<sup>nd</sup> December 2016 to 29<sup>th</sup> December 2016.
  - Participated in FEEL TEACHER learning and development Intervention organized by Department of Technology, Shivaji University, Kolhapur and conducted by CLHRD, Mangalore from 19<sup>th</sup> December 2016 to 21 December 2016.
  - Worked as **Co-ordinator** for **Cisco Certified Network Associative (CCNA)** organized by IJTR, Aurangabad and Department of Technology, Shivaji University, Kolhapur from 11<sup>th</sup> January to 18<sup>th</sup> February 2017
  - Worked as a **Judge** for the “**National Conference – Emerging Trends in Engineering & Technology (NCETET-2017)**” held on 7<sup>th</sup> March 2017, at Bharati Vidyapeeth's College of Engineering, Kolhapur.
  - Worked as a committee member for the Institute level UG/PG Technical Project Contest, TECHFEST 2017 organized by the Department of Technology, Shivaji University, Kolhapur
  - Attended Two Days Programme on “Recent Trends in Computer Science & Engineering and Information Technology” at BVCOE, Kolhapur from 28<sup>th</sup> September 2017 to 29<sup>th</sup> September 2017
  - Attended One Week AICTE-ISTE STTP on “Advanced Web Programming” at DKTE, Ichalkaranji from 4<sup>th</sup> June 2018 to 9<sup>th</sup> June 2018
  - Completed successfully 8 Weeks Faculty Development Program conducted by NPTEL-AICTE and IIT Kharagpur on “Introduction to Machine Learning” with a consolidated score of 74% during August to October 2018.
  - Completed successfully 12 Weeks Faculty Development Program conducted by NPTEL-AICTE and IIT Madras on “Deep Learning” with a consolidated score of 75% during July to October 2018.
  - Worked as a **Judge** for the “**National Level Poster presentation - Pradarshini**” in the event “**Pioneer 2019**” held on 28<sup>th</sup> January 2019, at KIT's College of Engineering, Kolhapur.
  - Completed successfully 8 Weeks Faculty Development Program conducted by NPTEL-AICTE and IIT Kharagpur on “Introduction to Soft Computing” with a consolidated score of 76% during January to March 2019.
  - Attended SLA Orientation Workshop at AICTE Auditorium on 5<sup>th</sup> March 2019.

- Successfully completed Student Learning Assessment Survey for DoT Students during 26 to 28<sup>th</sup> March 2019
- Attended AICTE-FDP on “Student Induction – Human Values” at IIT, Mandi, Himachal Pradesh during 30<sup>th</sup> June to 6<sup>th</sup> July 2019.
- Attended One-Day workshop on “High Performance Computing” on 8<sup>th</sup> February 2020 at DKTE’s Textile and Engineering Institute, Ichalkaranji.
- **Successfully completed the Annual Refresher Programme in Teaching (ARPIT) Course for Career Advancement Scheme (CAS) promotion Refresher Course on “Teacher and Teaching in Higher Education” during 1<sup>st</sup> September 2019 to 31<sup>st</sup> December 2019 with a "B" Grade in the proctored examination held on 16.02.2020 organized by Savitribai Phule Pune University.**
- Successfully completed 2-Week course on “Digital Transformation in Teaching Learning Process” under TEQIP-III conducted by NPIU, IIT Bombay and SWAYAM Platform during 14<sup>th</sup> February to 6<sup>th</sup> March 2020.
- Successfully completed 2-Week course on “Digital Transformation in Teaching Learning Process” under TEQIP-III conducted by NPIU, IIT Bombay and SWAYAM Platform during 6<sup>th</sup> April to 22<sup>nd</sup> April 2020.
- Successfully completed 2- Days Faculty Development Program on “Interdisciplinary Approach of Science and Technology: Art of Human Welfare” organized by Rajkiya Engineering College, Azamgarh held on April 20<sup>th</sup> and 21<sup>st</sup> 2020.
- Participated webinar titled “A Systematic Software Based Approach to Implement Outcome Based Education to Achieve Academic Excellence Leading to Accreditation Readiness through IonCUDOS” On 24<sup>th</sup> April 2020 by Ionidea.
- Successfully completed COVID-19 Quiz cum Awareness programme organized by Rajkiya Engineering College, Ambedkar Nagar, UP on 26<sup>th</sup> April 2020.
- Successfully completed “COVID-19 Awareness Program Quiz” by P. G. Department of Law, Shivaji University, Kolhapur on 28<sup>th</sup> April 2020.
- Successfully completed “COVID-19 Pandemic General Awareness Quiz” by Bharati Vidyapeeth’s College of Engineering, Kolhapur on 28<sup>th</sup> April 2020.
- Successfully completed “COVID-19 Pandemic General Awareness Quiz” by SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR on 28<sup>th</sup> April 2020.
- Completed the “Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation“ organised by Sinhgad Institute of Technology and Science, Narhe, Pune on 7-5-2020.
- Successfully completed the “Awareness Program on Education & Pedagogy”, organised by Marathwada Mitra Mandal’s Polytechnic, Pune on 8-5-2020.
- Successfully completed COVID-19 Quiz Program organized by Night College of Arts and Commerce, Ichalkaranji in May 2020.

- Successfully completed quiz on “Python Programming” organized by AISSMS’s College of Engineering, Pune on 14<sup>th</sup> May 2020.
- Successfully completed quiz on “NAAC Awareness Quiz-2020” organized by AISSMS’s College of Engineering, Pune on 17<sup>th</sup> May 2020 with a score of 80%.
- Participated in the online E Quiz series on COVID 19 for Spreading Awareness: Level One (Basics) and passed with grade A organized by Department of Biotechnology & Microbiology, University College of Science (UCoS), Mohanlal Sukhadia University (MLSU), Udaipur, Rajasthan on 20<sup>th</sup> May 2020.
- Attended One Day National Webinar on “Data Science and Applications” organized by Government College of Engineering, Aurangabad & Karad (M.S.) on 23<sup>rd</sup> May 2020.
- Successfully completed “Karmaveer Research Publication and Review Quiz” organized by K.B.P. College of Engineering, Satara on 26<sup>th</sup> May 2020.
- Successfully participated in One-Day international webinar on “MATLAB Applications in Science and Engineering” by Baba Farid College, Punjab on 29<sup>th</sup> May 2020.
- Attended National Webinar On “E-Content Creation and E-Learning through MOOCs” Organized by Barr. Balasaheb Khardekar Knowledge Resource Center and Department Of Library And Information Science, Shivaji University, Kolhapur during 29- 30th May, 2020
- Successfully completed “Karmaveer Research Publication and Review Quiz (Part II)” organized by K.B.P. College of Engineering, Satara on 1<sup>st</sup> June 2020.
- Successfully completed one week student development program on “future trends and career opportunities in industry 4.0 in India & abroad” by Padmabhooshan Vasantraodada Patil Institute of Technology Budhgoan, Tal-Miraj , Dist-Sangli during 2<sup>nd</sup> June to 10<sup>th</sup> June 2020.
- Successfully completed Computer Network Quiz on 6/3/2020 with score of 92% organized by Matoshri Pratishthan’s Vishwabharati Polytechnic Institute, Nanded.
- Successfully completed World Environment Day Quiz with score of 95% organized by Environment Science Department, Shivaji University, Kolhapur on 5<sup>th</sup> June 2020.
- Successfully attended Three Days STTP on “Software as a service” organized by ADCET, Ashta during 5<sup>th</sup> to 7<sup>th</sup> June 2020.
- Successfully completed “General Awareness quiz on World Environment Day” organized by School of Life and Allied Sciences, ITM University, Raipur (CG) on 5<sup>th</sup> June 2020.
- Successfully completed online quiz on Awareness Program of “Machine Learning Basics” organized by Department of Computer Engineering, AISSMS's Institute of Information Technology, Pune in June 2020.

- Successfully completed National Level Online Quiz on “E-Learning” Organized by department of Computer Engineering P.V.P.P. College of Engineering, Mumbai-22 dated 6/6/2020.
- Successfully completed online Quiz on “Python Programming” on 6<sup>th</sup> June 2020, organized by Department of Electronics & Telecommunication Engineering, Dr D Y Patil School of Engineering & Technology, Pune.
- Participated One Week Faculty Development Programme on “Improving Teaching Learning Experience using Best Practices” held online from 15<sup>th</sup> June 2020 to 19<sup>th</sup> June 2020 at Dwarkadas J. Sanghvi College of Engineering, Mumbai.
- Participated in the national Workshop on “Google Apps for Education and Moodle” organized by IQAC and Department of Commerce, Rajaram College, Kolhapur held on 2<sup>nd</sup> and 3<sup>rd</sup> July 2020.
- Organized a webinar on “Embedded Systems and Internet of Things” in association with RGGEC, Kangra, Himachal Pradesh on 4<sup>th</sup> July 2020.
- Successfully completed the “96<sup>th</sup> Online Short Term Course on E - Content Development” during 23/07/2020 to 29/07/2020 organized by UGC – Human Resource Development Centre, GUJARAT UNIVERSITY, Ahmedabad.
- Organized a webinar on “Machine Learning” on 18<sup>th</sup> September 2020.
- Attended 5-day Online Faculty Program on “Universal Human Values” for DEEKSHARAMBH (Student Induction Program) organized by National Institute of Technology, Patna from 23 to 27 November 2020.
- Participated in the “TPO MEET 2021” at D.Y. Patil Technical Campus, Talsande on 01/02/2021.
- Attended a TEQIP-III Sponsored Online Workshop on “Curriculum Design as per OBE philosophy” during 09/02/2021 to 24/02/2021 for 10 sessions, 90 minutes each.
- Attended One Day Workshop of Training and Placement Co-ordinators on 26<sup>th</sup> March 2021.
- Successfully completed **Facilitator development program** conducted by Wadhvani Foundations in 21<sup>st</sup> Century Employability Skills Course, 12<sup>th</sup> October 2021.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Immersive Virtual Reality" from 14/09/2021 to 18/09/2021 at KIT's College of Engineering Kolhapur.
- Successfully completed 2 Weeks Online Industrial Training on Artificial Intelligence & Machine Learning Using Python held during 20<sup>th</sup> September 2021 to 1<sup>st</sup> October 2021 Organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.)
- Participated in a 40-hour Online Faculty Development Programme on “Elevated Analytics Blockchain Deals with Big Data” Sponsored by Ministry of Electronics and Information Technology (MeitY) GoI, organized by E & ICT Academy, NIT, Warangal and Rajarambapu

Institute of Technology, Sakharale, Maharashtra during November 22<sup>nd</sup> – 1<sup>st</sup> December 2021.

- Participated & completed successfully AICTE Training And Learning (ATAL) 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, SHIVAJI UNIVERSITY, KOLHAPUR.
- Successfully completed One week Faculty Development Program on "Amazon Web Services" Organized by Department of Technology, Shivaji University, Kolhapur. in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION – AICTE, During the period of 22<sup>nd</sup> August 2022 to 27<sup>th</sup> August 2022
- Completed successfully 12-Week NPTEL-AICTE (SWAYAM) FDP and NPTEL Online Certification on “ NBA Accreditation and Teaching and Learning in Engineering (NATE)” organized by IISC, Bangalore with a consolidated score of 73% from January to April 2023.
- Participated in ALAP – Academic Leadership Alignment Program on NEP Implementation Pathway Services (NIPS) for leadership of Universities and HEIs. Two days Anandshala (Blissinar) organized by Bhartiya Shikshan Mandal (BSM) and COEP Technological University, Pune, held on 3<sup>rd</sup> and 4<sup>th</sup> February 2023.
- Worked as a member of Editorial Board of Journal of Shivaji University: Science & Technology, Volume-44 Issue-1, (January, 2018) published in July 2023.
- **Presented and awarded best poster presentation-Second Prize** in poster presentation titled “A Survey of Recommendation System” in 13<sup>th</sup> India – Japan Science and Technology Conclave: International Conference on Frontier Areas of Science and Technology (ICFAST-2023) on September 08-09, 2023 at Shivaji University, Kolhapur.
- Participated in 8-days online training program on NEP Orientation & Sensitization Program” organized by UGC-Malaviya Mission Teacher Training Centre-SMVDU, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir India, during 8<sup>th</sup> to 17<sup>th</sup> January 2024.
- Conducted a One-Day workshop on “Marathi Wikipedia Training” in collaboration with “Bhasha Sanchanalay, Maharashtra State” on 24<sup>th</sup> January, 2024.
- Worked as a coordinator for Job-Fair at Department of Technology on 6<sup>th</sup> and 7<sup>th</sup> February 2024.
- Successfully completed 6 Weeks (60 hours) Live Online Industrial Training on Machine Learning and Artificial Intelligence held on 01<sup>st</sup> January - 09<sup>th</sup> February 2024 Organized by EduLakes Solutions LLP In Association with National Service Scheme (NSS) - IIT Roorkee
- Working as a reviewer for the web of Science and scopus indexed journal **PeerJ** from July 2024.
- Review paper entitled “A comparative analysis of anomaly detection in credit card (ADCC) data using machine learning methods” for the web of Science and scopus indexed journal PeerJ in July 2024

- Working as a Member of Board of Studies in Information Technology at Walchand Institute of Technology, Solapur from December 2024.
- Expert validation for identifying AI tools for English language learning on 28/12/2024
- Review paper entitled “Multiple layer perceptron’s based approach embedding synthetic minority oversampling techniques: a conquest to fraudulent credit card transactions in financial institution” for the web of Science and scopus indexed journal PeerJ in January 2025
- Completed successfully 8-Week NPTEL-AICTE (SWAYAM) FDP and NPTEL Online Certification on “ Designing Learner-Centric MOOCS” organized by IIT, Bombay with a consolidated score of 66% from January to March 2025.
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**b. Training programs attended:-**

<b>Sr. No.</b>	<b>Date</b>	<b>Subject</b>	<b>Duration of training</b>
01	26.12.2005 to 30.12.2005	AIX basics at Bangalore	05 days
02	16.11.05 to 17.11.05	Maya 6.5	02 days
03	2.12.05 to 3.12.05	Oracle 10g	02 days
05	4.1.2006 to 9.1.2006	RHCE	06 days
06	20.11.05 to 22.11.05	Suse Linux	03 days
07	14.1.2006	Visual studio .Net	01 days
08	15.1.2006	Office 2003	01 days
09	19-20 Jan 2007	Applications of DSP & IP at RIT, Sakharale	02
10	11-12 Dec. 2006	Software quality assurance at RIT, Sakharale	02

**18. Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Thanking You,

Date:- 28/12/2024

Place: - Kolhapur

Yours Sincerely,  
**Dr. CHETAN J. AWATI**