Shri Shivaji Science & Arts College Chikhli, Dist-Buldana MS India.

Faculty Profile

Name : **Dr. Avinash B. Kadam**

Address (residential) : C/O. Sanjay Ramdas Kolhe
Sahu Nagar, Near Panchmukhi
Mahadev Mandir, Khamgaon Road, Chikhli

Phone No. / Cell No. : 8796336088

E-mail address : avinashkadam28@gmail.com

Designation : **Associate Professor & HOD**

Department : **Computer Science**

Date of Birth : 14 May 1980

Area of Specialization : Digital Image Processing, IoT, BCT, Machine Learning, Digital & Cyber Security.

Academic Qualification: M. Sc, Ph. D. in Computer Science

Examination Passed	Board/ University	Subject/ Specialization	Year of Passing	Division/ Grade/ Merit
S.S.C.	Divisional Board Aurangabad	Eng, Mar, Sanskrit, Maths, History & Science	1996	Distinction [79.00%]
H.S.C.	Divisional Board Latur	Eng, Mar, Maths, Phy, Chem & Bio	2000	Second [59.00 %]
Bachelor's Degree	Dr. BAMU, Aurangabad	Phy, Chem & Comp. Sci.	2003	First [67.00%]
Master's Degree(M.Sc.)	Dr. BAMU, Aurangabad	Computer Science	2005	First [62.00%]
Ph. D.	Dr. BAMU, Aurangabad	Computer Science	2010	Awarded

Ph.D. Thesis Title : Development of Microarray Image Analysis Techniques: An Image Processing & Segmentation Approach

Ph.D. Supervisor : Dr. K.V. Kale, **Vice-Chancellor** of BATU, Lonere. [Retired Senior Professor, Dept. of Computer Science & IT, Dr. BAMU, A'bad &

Former, Director of BCUD, Dr. BAMU, Aurangabad]

Achievements: Elected as a member of **BOS** of S.G.B.A.U. Amravati in **Nov. 2022**.

Ph. D. Guide Recognition: Recognized as a Ph. D. Guide of SGBA University since from **14-03-2019** [Notification No. 22/ 2019 dated: Thursday, 14th March, 2019]

P.G. Teacher Recognition: Recognized as a P. G. Teacher of SGBA University since from **09-07-2025** [No. SGBAU/8/C-1507/2025 date: 09-07-2025].

Membership of Academic Organizations:

- Advisory Editorial Board Member, *Bioinfo Publications*
- Life Member of ISCA [L18601] ,
- Life Member of IAENG [80344685]
- Life Member of IACSIT [122090]
- Senior Member of **UACEE**, 4-sept-2012, Member Number: **SNM1002869.**

Google Scholar Profile: Since Aug. 2025

Citations: 64

h-Index: 3

i10- Index: 1

Research Gate Profile: Since Aug. 2025

Publications: 10

Citations: 47

Reads: 3,597

Google Scholar Link: https://scholar.google.com/citations?user=SbzFkT0AAAAJ&hl=en

Research Gate Link: https://www.researchgate.net/profile/Avinash-Kadam-2

Patent: 02-Indian Patent Published [National]

[1]Patent No-202441071955 Published on Date: 04/10/2024 [Automatic detection of genetic diseases in pediatric age using pupillometry
]&

[2] Patent No-202441080865 Published on Date: 01/11/2024[Advanced secured ATM system with fingerprint, , keypad, and voice enabled three-layer security protection
]

Teaching Experience : **13 Year 04 Months**

Research Experience		**: 19 Years**		
Guiding M. Sc. Projects & Dissertations		**: 51**		
Guiding Ph. D. Students		**: 03** [Registered]		
Publishing research papers. (Give the Complete list)		**: 23**		
Paper Presented	:	International **: 00**	National **: 09**	
Invited Talk / Guest Lecture	:	**: 11**		
Conference/Workshop Attended	:	International **: 04**	National **: 05**	Sate**: 11**
Position Held	:	Head of the Department Sept. 2016 to till date.		
		Head of Research Center 2022 to till date.		
		Member of BOS in Computer Science of SGBAU, Amravati [Nov.2022]		

➢ **Conference/Seminar/Symposia and Workshop Organized as Convener/Co-convener**.:-

Organizing Workshops	**: 10 [Convener]**
Organizing Member	**: 09**

- International Conference-**03**
- National Conference-**02**
- National Workshop-**02**
- State Level Workshop-**02**

➢ **Award/ Scholarships/Recognition Received International, National, State, University, Editorial Board, Reviewers for Journals, Teacher award, Prize in Poster presentation,Paper Reading: -**
- **Editorial Board Member**:- **01**
- **Prize in Poster Presentation**:- **01** [**First Prize** in State Level **Avishkar-2008** Organized by SGBAU, Amravati in **Jan-2009**.]
- **Scholarships: 01** [University Golden Jubilee Research Fellowship-**2008-2009**, Dr. BAMU, Aurangabad]
- **Reviewer :** Worked as a Reviewer of Springer [icSocftComp2021&2023] as well as in Various National & International Conferences.

➢ **Worked on Various University Committees**:
- Worked as a Chairman of Subject Examination Committee of B. Sc. In Cyber Security & Diploma in Cyber Security, SGBA University, Amravati [2024-25]
- Worked as an External Referee of M. Phil. Viva Voce Examination of Dept. of ComputerScience & IT, Dr. B.A.M.U. Aurangabad.
- Worked as a Subject Expert of RAC at G. S. College Khamgaon.
- Worked as P.G. Paper Moderation of Dr. B.A.M.U. Aurangabad.
- Role in SGBA University Activities :-Valuation, Practical Examination, Invigilation:-

  i] U.G. , P.G. & MPAT Paper Setter and Paper Valuation of SGBAU, Amravati.

  ii] Internal & External Examiner for Practical Exams for U.G. & P.G.: **20 duties** of SGBAU, Amravati.

➢ **Examination /Evaluation reforms Initiated/Syllabus Restructuring etc.:-**

- Attended 15- Subject Examination Committee of SGBA University, Amravati.
- Attended 7- BOS Meeting for restructuring the syllabus of UG & PG in SGBAU Amravati [CBCS & NEP-2020]

> **Remedial Teaching**:-Conducted **03** Remedial Courses for P.G. Students [**2018-19, 2019-20, 2020-21**].

> **Organization of Various Conferences / Workshops / Seminars as Convener/ Committee Member:**

- Organizing Committee Member of **International** Conference on **"Advances in Computer Vision and Information Technology"**(ACVIT-07), 28-30 Nov 2007 Organized by Dept of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Organizing Committee Member of **International** Conference on **"Advances in Computer Vision and Information Technology"**(ACVIT-09), 16-19 Dec 2009 Organized by Dept of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Organizing Committee Member of **National** Workshop on **"Data Mining & Data Warehousing"** (NWDMDW-09), Feb. 2009 Organized by Dept of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Organizing Committee Member of **National** Conference on **"National Conference in Recent Trends & Computer Application"** (NCRTCA-09), Feb 2009 Organized by Dept of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Organizing Committee Member of **International** Conference on **"Knowledge Engineering"**(ICKE-2011), Jan. 2011 Organized by Dept. of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Organizing Committee Member of **National** Conference on **"Latest Technologies & Their Applications in Forensic Science & Digital Forensics"** (2012), 6&7 March 2012 Organized by Government of Maharashtra, Institute of Forensic Science Mumbai, Aurangabad & Nagpur.
- Organizing Committee Member of **7-Days Short Term Course (Workshop) on "Human Rights"** 28/10/2015 to 3/11/2015 Organized by Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of University Level Workshop on **"Ethical Hacking & Softskill"** dated on **03-10-2016** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Coordinator of National Level Workshop on **"E-Governance"** dated on **21-02- 2018** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of University Level **"Short Term Training/Workshorp for Non- Teaching Staff"** dated on **02 to 06-12-2019** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of State Level Workshop on **"Ethical Hacking"** dated on **25-02-2020** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist- Buldana.
- Organizing Convener of National Level Seminar/Webinar on **"Cyber Security"** dated on **09-07-2020** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of National Level Workshop on **"Cryptocurrency"** dated on **26 -03- 2021** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of National Level Workshop on **"BigData"** dated on **05-08-2021** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist- Buldana.
- Organizing Convener of National Level Workshop on **"Cyber Security"** dated on **04-03- 2022** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of National Level Workshop on **"The Cult of Terror, Along with Cyber Crimes"** dated on **23-08- 2023** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.
- Organizing Convener of National Level Workshop on **"Creation and Protecting Intellectual Property in Academia"** dated on **13-02- 2024** Organized by Dept. of Computer Science, Shri Shivaji Sci. and Arts College

Chikhli, Dist-Buldana.

- Organizing Committee Member of **"State Level Workshop/Conference on National Education Policy-2020"** dated on **19 Oct. 2025** Organized by Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.

- Organizing Committee Member of **"State Level Workshop on Research Methodology"** dated on **14 Feb. 2025** Organized by Shri Shivaji Sci. and Arts College Chikhli, Dist-Buldana.

- **Participation in Conferences, Symposia, Seminars and Workshop Attended, Paper Presented**

Sr. No.	Paper Title / Name of Conference/ Seminar	Organized by	Date and year	National/ International	Attended/ Participated
1	**University Level Workshop on NEP -2020**	Department of Computer Science, Narsamma College Amravati	**27-07-2024**	**University**	Participated
2	National e-Conference on **Role of Nanotechnology for sustainable Future**	Department of Chemistry, Shri Shivaji Sci. & Arts College Chikhli	31-Aug-2021	National	Participated
3	National Level Workshop on **Intellectual Property Rights**	IQAC, Shri Shivaji Sci. & Arts College Chikhli	10-July-2021	National	Participated
4	One Day International E-Conference "**Advanced Functional Nanomaterials andTheir Device Applications"**	Krishna Mahavidyalaya, Retere Bk, Shjivajinagar-415108, Tal- Karad, Dist-Satara (M.S.)	10-Aug-2020	International	Participated
5	State Level Workshop on "**Intellectual Property Rights(IPR)"**	Shri Shivaji Sci. & Arts College Chikhli	2018-19	State Level	Participated
6	**Industry, Academia & environmental Challenges" NCIAEC-2017** sponsored by Research Cell, Savitribai fule pune University, Pune.	Radhabai Kale Mahila Mahavidyalaya, Ahmednagar (MS), -414001	2017-18	National	Participated
7	CSIR- Sponsored National Level Conference on **Biomedical Instrumentation Related Computerized Hardware & Software (NCBIRCH & S 2017**)	Kamala Nehru Mahavidyalaya, Nagpur	2016-17	National	Paper Presented
8	UGC Sponsored 7 days Short Term Course on **Human Rights**.	Shri Shivaji Science & Arts College, Chikhli Dist. Buldana	2015-16	State	Participated
9	National Conference on **Green Technology & Sciences for Sustainable Development**.	Anuradh Engg. College Chikhli Dist. Buldana	2014-15	National	Paper Presented
10	"Recent Trends in Microarray for Life Sciences", National Conference on **"Advances Innovative Research Trends in Biological Sciences (NCIRTBS-2012)"** 08-09 Dec 2012	Shri Shivaji College, Akola,(MS).	2012-13	National	Participated& Presentred

11	"Microarray Image Analysis Techniques by Using Edge Detection for Life-Sciences", National Conference on **"Advances Innovative Research Trends in Biological Sciences (NCIRTBS-2012)",**08-09 Dec 2012	Shri Shivaji College, Akola,(MS).	2012-13	National	Participated
12	One-day workshop on **"Quantum GIS"** Sept 3, 2011.	Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,	2011-12	State	Participated
13	Participation of International Conference on **"Advances in Computer Vision and Information Technology (ACVIT-09)"**, 16-19 Dec 2009	Organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	2009-10	International	Participated
14	Participated on **"Avishkar"** Jan - 2009.	Organized by Sant Gadge Baba Amravati University, Amravati,	2008-09	State	Participated
15	Participation of International Conference on **"International Conference on Microwaves & Optoelectronics (ICMO-07)"**,17-20 Dec 2007	Organized by Dept. of Physics & Department of CS and IT, Dr. BAM University,Aurangabad,	2007-08	International	Participated
16	Participation of International Conference on **"Advances in Computer Vision and Information Technology (ACVIT-07)"**, 28-30 Nov 2007	Organized by Dept. of CS andIT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	2007-08	International	Participated
17	Participated in **"Avishkar"** Jan - 2007.	Organized by Shri. Rashtrasant Tukdojo Maharaj University, Nagpur,	2007-08	State	Participated
18	Two Days workshop on "**Emerging Research Trends in Advanced Computing",** 2007.	Organized by NorthMaharashtra University,	2007-08	State	Participated
19	One-day workshop on**"Embedded and Its Applications",** March 7, 2006.	Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,	2006-07	State	Participated
20	Need of Microarray Image analysis Techniques: An Image processing Segmentation Approach"**,** September, 2006.	National Conference in Emerging Trends in Information Technology, VIT, Baramati, Pune (MS)	2006	National	Paper Presented
21	Role of Computer Science & IT in Bioinformatics", September, 2006.	National Conference in Emerging Trends in Information Technology, VIT,Baramati, Pune (MS)	2006	National	Paper Presented
22	Bioinformatics Strategies in Proteome Analyses" , September, 2006.	National Conference in Emerging Trends in Information Technology VIT,Baramati, Pune (MS)	2006	National	Paper Presented

23	Human face Recognition for Digital Right Management: An overview", September, 2006.	National Conference in Emerging Trends in Information Technology VIT,Baramati, Pune (MS)	2006	National	Paper Presented
24	Simulation as a Computer Technology for Physical Education and Sports Technology, March 3-4,2006.	National Seminar, Organized by Deogiri College Aurangabad.	2005-06	Nation al	Paper Presented
25	One-day workshop on **"Embedded and ItsApplications"** March 7, 2006.	Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,	2005-06	State	Participated
26	Short Term Training Program on **"Wavelets And Advanced Wavelets"**, Jan 31 to Feb. 2, 2006.	Organized by Dept. of Computer Engineering, Govt. Engineering College,Aurangabad	2005-06	State	Participated
27	One-day workshop on **"E-Education"**, Sept. 16, 2005.	Organized by University Library, Dept. of CSIT and Dept. of Information and Library Science, Dr. BAM University, Aurangabad	2005-06	State	Participated
28	Participated On **"Science Exhibition"** Jan 24-26, 2002.	Organized by Shri. Chattrapati Shivaji College, Omerga, Dist.Osmanabad (MS)	2001-02	State	Participated

> **Publication of research paper in peer reviewed journals, Non peer reviewed journals, Conference Proceeding, Impact factor, Citation, Index No./Scopus.**

Sr. No.	Titles of paper	Name of Journals	ISSN No.	Impact Factor	National/ International	Page No.
1	A Smart IoT System for Cotton Plant Disease Identification and Environmental Parameter Tracking. **March-2025.**	International Journal of Scientific Research in Science and Technology Available online at : www.ijsrst.com [d o i : h t t p s://doi.org/10.32628/IJSRST]	Print ISSN: 2395-6011 | Online ISSN: **2395-602X**	---	Internation al	547-551
2	A Critical Study of Deepfake Image Detection Methods: Techniques, Challenges, and Future Directions. **March-2025.**	International Journal of Scientific Research in Science and Technology Available online at : www.ijsrst.com [d o i : h t t p s://doi.org/10.32628/IJSRST]	Print ISSN: 2395-6011 | Online ISSN: **2395-602X**	---	Internation al	547-551
3	Optimizing Cotton Crop Health Monitoring Using Smart Farming Techniques and Sensor- Based Systems. Special Isuue-**2025**	Adarsh Journal of Research Evaluation (AJRE)	2277-3983	---	National	1444-1456
4	IOT-Based Precision Agriculture: Soil Nutrient Analysis. Special Isuue-**2025**	Adarsh Journal of Research Evaluation (AJRE)	2277-3983	---	National	1096-1099

5	Soil Nutrients Analysis for Agriculture: A Comprehensive Study Vol.5 No. 23, **July-Aug 2024**	International Journal of Advance and Applied Research www.ijaar.co.in	ISSN – 2347-7075	Impact Factor – 8.141	International	212-215
6	Intelligent Crop Selection: Leveraging Machine Learning for Soil- Informed Agriculture. Year **18-Dec.2024**	Nanotechnology Perceptions https://nano-ntp.com/index.php/nano/article/view/4517	1660-795 Vol.20 No.7[2024]	**Scopus-Couvered**	International	2601-2609
7	Random Forest Classifierfor Crop prediction based on soil data. Vol-45 Issue-S-4 Year-**2024**	Journal of Advanced Zoology	0253-7214	UGC	International	113-117
8	Detecting Sign Language for the Deaf and Mute Using Neural Networks. **July- September, 2023,** Volume 11, Issue 3,	The International Journal of Indian Psychology [DIP: 18.01.391.20231103, DOI: 10.25215/1103.391]	ISSN 2348-5396 (Online) | ISSN: 2349-3429 (Print)	--	International	4216-4220
9	Critical Data Analysis of Various IoT-Based Technologies for Automated Smart Farming. **15-March-2023**	International Journal of Scientific Research in Computer Science, Engineering and Information Technology [https://ijsrcseit.com/]	ISSN : 2456-3307 **UGC Approved** Journal No : 64718	7.25	International	411-437
10	Crop Recommendation Using Machine Learning Classification Techniques. **15-March-2023**	International Journal of Scientific Research in Computer Science, Engineering and Information Technology [https://ijsrcseit.com/]	ISSN : 2456-3307 **UGC Approved** Journal No : 64718	7.25	International	31-38
11	Glucoma Detection Through Optical Coherance Tomograph Images. **2023**	ATLANTIS PRESS: Advances in Computer Science and Research [Proceedings of the International Conference on Applications of Machine Intelligence and Data Analytics **(ICAMIDA 2022)**]	2352-538X	**Web of Science**	International	810-819
12	Classification of PH2 Images forEarly Detection of Skin Diseases,**02-April-2021**.	IEEE-Explore	978-1-7281-8876-8 IEEE-Explore	**Scopus-Index**	International	1-7
13	Automation in agriculture using IoT and Machine Learning Algorithms. **April**-**2021**	Pratibha : International Journal of Science, Spirituality, Business and Technology (**IJSSBT**)	ISSN: (Ptint) 2277-7261	---	International	12-15
14	Novel approach of social networking sites quite useful for educational purpose in case of UG & PG Students. Page No.1-9,**Jan.2020.**	International journal of social research foundation	2321-211X	---	International	01-09

15	*Critical study of social networking & its effect on education system in case of undergraduate students and teachers of SGBAU, Amravati, MS,India.PagNo.2353-2359,Nov.2019*	International Journal of applied Social Science	2394-1405	5.734	International	2353-2359
16	*Impact of social networking sites on educational system: In case of students & Teachers of SGBAU Amravati, Dr. BAMU Aurangabad, SRTMU Nanded & Solapur University, Solapur MS India. Page No.2177-2181,Sept.2019*	International Journal of applied Social Science	2394-1405	5.734	International	2177-2181
17	Novel Approach of social networking sites quite useful for educational purpose. Issue-26 Vol-01, Page No.24to28, **April-June-2018.**	Vidyawarta: International Multilingual Refereed Research Journal	2319-9318	5.131	International	24-27
18	Comparative Study of Social Networking in Educational System: Case of Maharashtra State in India, Issue 47 Vol. **02 April-2018**	Printing Area International Research Journal(IIJIF)	2394-5303	5.011	International	21-26
19	Comparative Study of Filtering Techniques for Shoe print Recognition System, Issue.15, Vol.02 **July-Sept-2016.**	Vidyawarta(IIJIF)	2319-9318	3.1	International	88-94
20	Shoe Print Recognition Systemfor Forensic Investigation: A Review .vol.2 issue2, **Feb.2014.**	IJRCSIT	2319-5025	--	International	05-12
21	A Review: Analysis Of Footwear Impression Evidence Collection & Detection.Vol. 4, Issue 2, **2012.**	InternationalJournal of Machine Intelligence	0975-2927	--	International	410-413.
22	A Novel Approach for Microarray Spot Segmentation & Detection Using Four Shaped Mathematical Morphology, Vol. 4, Issue 2, **July-2012,**	Advances in Computational Reasearch	0975-3273	--	International	130-133.
23	Microarray Spot DetectionUsing Flat Structuring Non- Negative Integer, Scalar And Specific Width Shaped Morphology", Vol.3 No.2, **July-Dec.2009.**	International Journal Computer Science & System Analysis [Serial Publications]	0973-7448	--	International	77-81
24	Microarray Spot Detection Using Flat Structuring Periodic Line And Specific Distance Shaped Morphology, Vol.1, Issue 2, **2009.**	InternationalJournal of Machine Intelligence	0975-2927	--	International	5-9

> **Book published with ISBN No., Without ISBN No.**

Sr. No.	Publication Type	Title of Book	Publisher Details	ISBN No.	Publication Year
1	Book Edited	A Textbook of B.C.A.Third Year	Dnyanpath Publication	978-93-6409-898-4	Nov-2024

		Sem-V "**Computer Graphics**"	Amravati.		[**2024-25**]
2	Book Edited	A Textbook of B.Sc. Second Year in Computer Science "**Networking and Web Technology**"	Dnyanpath Publication Amravati.	978-81-19435-87-6	Sept-2023 [**2023-24**]
3	Book Edited	Shivaji Interdisciplinary Research Journal	Ajanta Prakashan Aurangabad, India.	978-93-83587-52-0	Aug-2022 [**2022-23**]

> ## Chapter in Books published with ISBN No., Without ISBN No.

Sr. No.	Name of the Faculty	Year	Title of the Paper	ISSN/ ISBN No.	Name of Books and Publication	National/ International	Page No.
1	Dr. A. B. Kadam	**2023-24**	Utilizing Logistic Regression for Multiclass Classification in Analysing Soil Contents for Crop Recommendation	**ISBN:** 13:978-81-19435-61-6	DnyanPath Publication, Amravati [India]	National	CPS-203-205
2	Dr. A. B. Kadam	**2023-24**	Design Novel Detection of Exudates using wavelet filters and classification of diabetic maculopathy	**ISBN:** 978-981-97-2079-8(eBook)	Communication and Intelligent systems [**Springer**]	International	415-424
3	Dr. A. B. Kadam	**2023-24**	IoT Based- Soil Salinity Mapping and Smart Crop Recommendation System.	**ISBN** : 978-81-19931-25-5	National Conference on "Recent Advancements in Science &Technology	National	44-50
4	Dr. A. B. Kadam	**2023-24**	"IoT-based Automated Smart Irrigation System Using Sensors for Farming".	**ISBN** : 978-81-19931-25-5	National Conference on "Recent Advancements in Science &Technology	National	218-222
5	Dr. A. B. Kadam	**2022-23**	Critical Data Analysis of Machine Learning based IoT Enabled Smart Agriculture System	**ISBN :** 978-93-83587-52-0	Shivaji Interdisciplinary Research Journal, Ajanta Prakashan Aurangabad, India.	National	1-10
6	Dr. A. B. Kadam	**2022-23**	RNFL Thickness Measurement in Retinal OCT Images for Detection of Glucoma	**ISBN:** 978-93-83587-52-0	Shivaji Interdisciplinary Research Journal, Ajanta Prakashan Aurangabad, India.	National	11-15
7	Dr. A. B. Kadam	**2016-17**	Study of Blood pressure and temperature sensor in Biomedical	**ISBN:** .978-93-81432-563	Biomedical InstrumentationRelated Computerized Hardware AndSoftware (NCBIRCH & S **2017**)	National	84-87
8	Dr. A. B. Kadam	**2012-13**	Recent Trends in Microarray for Life Sciences	**ISBN:** 978-81-923621-0-6	Proceedings on National Conference on Innovative Research Trends in Biological Sciences(NCIRTBS-**2012**)	National	704-706

9	Dr. A. B. Kadam	**2012-13**	Microarray Image Analysis Techniques by using Edge Detection for Life-Sciences	**ISBN:** 978-81-923621-0-6	Proceedings on National Conference on Innovative Research Trends in Biological Sciences (NCIRTBS-**2012**)	National	701-703

> ## Year wise Research Guidance:

Sr. No.	Name of Supervisor	Degree	Name of Students	Year	Registration No.	Status	ResearchCenter
1	Dr. A. B. Kadam	Ph.D.	**Mrs.Kranti G.Sapkal**	01-09-**2019**	SGBAU/PH.D./CPS/123/2020 wef 01/09/**2019**	**Thesis Submitted on Aug.2025**	P G Dept. of Computer Science & Engg., SGBAU, Amravati
2	Dr. A. B. Kadam	Ph.D.	**Mr. Chandrakant R. Patorkar**	01-09-**2023**	SGBAU/Ph.D./Com.Sci./3329/2024 w.e.f. 01.09.**2023**	**Working**	Dept. of Computer Science, Shri Shivaji Sci. & Arts College Chikhli, Dist. Buldhana
3	Dr. A. B. Kadam	Ph.D.	**Mrs. Shubhangi D. Falke**	01-09-**2023**	SGBAU/Ph.D./Com.Sci./3675/2024 w.e.f. 01.09.**2023**	**Working**	Dept. of Computer Science, Shri Shivaji Sci. & Arts College Chikhli, Dist. Buldhana

> ## Refresher /Orientation/Faculty Development Program/Short Term Courses Attended.

Sr. No.	Name of the course/ Summer School	Year	Place	Duration	Sponsoring agency
1	93th Orientation Course	2014-15	UGC-HRDC-Central University Hyderabad	26-11-2015 to 23-12-2015	UGC
2	Refresher Course on "E-Governance & E-Learning	2015-16	UGC-ASC, Aurangabad	07-11-2014 to 26-11-2014	UGC
3	Two Week National Level Short Term Training Program on Block Chain Technology	2019-20	Department of Science & Technology NRDMS – ICPS	03-02-2020 to 15-02-2020	[DST] NRDMS-ICPS Sponsored
4	STC on "MOOCs, e-Content Development & Open Educational Resources"	2020-21	UGC-HRDC-JNTU, Hyderabad	13-07-2020 to 18-07-2020	UGC
5	STC on "Outcome Based Education: Curriculum Design, Teaching Learning& Assessment Strategies"	2020-21	UGC-HRDC-JNTU, Hyderabad	21-07-2020 to 27-07-2020	UGC
6	2 Week Refresher Course on Data Analysis with Statistical Methods	2020-21	PMMMNMTT [Teaching Learning Centre] Ramanujan College, University of Delhi	21-12-2020 to 03-01-2021	Ministry of Education Govt. of India
7	Online Refresher Course in the subject of "E-Governance and E-Learning"	2021-22	UGC-HRDC, Dr. BAM University, Aurangabad MS, INDIA	06-12-2021 to 18-12-2021	UGC-HRDC

> ## Invited Lecture/ Session Chairpersonship:

Sr. No.	Title	Academic Session	Event	Level	Date	Organizer
1	University Level Talk on "Research Methodology"	2016-17	University Level Talk	University Level	23-09-2016	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco,431003. Aurangabd
2	State Level Talk on "Microarray Image Processing"	2016-17	State LevelTalk	State Level	06-01-2017	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco,431003. Aurangabd
3	International Conference on Recent Advances inComputer Science Engineering & Technology [ICRACSET-2017]	2016-17	International Conferencee [Worked as a Session Coordinator]	International	02-04 feb.2 0 17	MGM's Dr. G.Y. Pathrikar College of Computrt Science & IT,N-6, Cidco, Aurangabad
4	State Level talk on "Microarray Image Segmentation"	2017-18	State LevelTalk	State Level	25-09-2017	New Model Degree College Hingoli [SRTMUniversity, Nanded]
5	State Level talk on "Data Mining"	2017-18	State LevelTalk	State Level	28-12-2017	New Model Degree College Hingoli [SRTMUniversity, Nanded]
6	University Level Talk on "Advances in Web Technology"	2018-19	University Level Talk	University Level	20-08-2018	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco,431003. Aurangabd
7	State Level talk on "Web Applications"	2018-19	State LevelTalk	State Level	01-09-2018	New Model Degree College Hingoli [SRTMUniversity, Nanded]
8	State Level talk on "Advances in IOT"	2018-19	State LevelTalk	State Level	11-03-2019	New Model Degree College Hingoli [SRTMUniversity, Nanded]
9	One Day Seminar on "Web Technology"	2019-20	State LevelTalk	State Level	15-07-2019	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco,431003. Aurangabad
10	One Day Multidisciplinary International e-Conference	**2024-25**	International Conference	International	10-Aug-2024	Shri Vitthal Rukhmini Mahavidyalaya, Sawana, Dist-Yavatmal-445205
11	Intercollegiate Hackathon-2025 Competition	**2024-25**	Intercollegiate	Intercollegiate	17-Feb-2025	Shankarlal Khandelwal Arts, Science & Commerce College, Akola (M.S.)

> **Guidance for Research Project to Students:**

Sr.No.	No. of Projects Level UG/PG	No. of Student UG/PG	Year
1	40/01	45/02	2014-15
2	45/02	45/04	2015-16
3	45/03	45/07	2016-17
4	42/02	42/05	2017-18
5	50/00	50/00	2018-19
6	45/02	45/05	2019-20
7	45/02	45/05	2020-21
8	45/03	45/07	2021-22
9	50/04	50/09	2022-23

| 10 | 50/00 | 50/00 | 2023-24 |
| 11 | 54/03 | 54/07 | 2024-25 |

> ➤ **Participation in Co-curricular and Extra Curricular Activities:**

I) Co-Curricular	II) Extra-Curricular Activities.
Incharge of Seminar	Incharge of Student Farewell
Incharge of Projects	Incharge of National Science Day
	Incharge of Poster Presentation

> ➤ **Innovative process developed in Teaching and Learning- PPT Presentation, Video lecture, Study materials.**

> ➤ **Innovations/ Contributions in Teaching :-**

> ➤ **Design of Curriculum**: -Design a new syllabus of B. Sc. I, II Year [NEP-2020] & B.Sc.II & III Year [CBCS], BCA-NEP-2020 & M.Sc. I & II Year- NEP-2020 of SGBA University Amravati.

> **Teaching Methods**: - **For U.G**- 1) Usual Classroom teaching method adopted usually along with some LCD-Projector used for special lectures as when required.
> **For P.G**:- LCD and Classroom, PPT used.

> ➤ **Role in College Activities:-**

- Worked as a Coordinator in College Admission Committee at U.G. Level [2014-15 to 2018-19].

- Worked as a Incharge in College Admission Committee at P.G. Level [2017-18 to 2025-26].

- Coordinator of Online Teaching Timetable Committee [Covid-19 Period].

- Incharge of ICT & Internet Facility [2021-22 to 2025-26].

- Incharge of NAAC Criterian-III: Research, Consultancy & Extension [From 2024-25].

- Incharge of Science FacultyTimetable Committee[2024-25 to 2025-26].

- Coordinator of college RAC Committee [From 2025-26]