

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, Former **Vice-Chancellor** of BATU, Lonere.
[Retired Senior Professor, Dept. of Computer Science & IT, Dr.

BAMU, Chht. Sambhajinagar & Former, Director of BCUD, Dr.
BAMU, Chht. Sambhajinagar]

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]

Patent/Copyright Type	Patent /Copyright Name	Patent /Copyright No	Status	Reg. Date
Indian	Copyright: Impact of Social Networking on educational system with special reference to Maharashtra state	LD-20260186090	Granted: 04/05/2026	16/02/2024
Indian	Patent: Automatic detection of genetic diseases in pediatric age using pupillometry	202441071955	Published on 04/10/2024	24/09/2024
Indian	Patent: Advanced secured ATM	202441080865	Published on 01/11/2024	24/10/2024

	system with fingerprint, keypad, and voice enabled three-layer security protection			
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Teaching Experience : **14 Year 04 Months**

Research Experience : **21 Years**

Guiding M. Sc. Projects & Dissertations : **51**

Guiding Ph. D. Students : **Reg. 03 & Awarded-01**

Publishing research papers. (Give the Complete list) : **29**

Paper Presented : International : **00** National : **09**

Invited Talk / Guest Lecture : **11**

Conference/Workshop Attended : International : **04** National : **05** State: **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]

College Level RAC-Coordinator [Jun-2025]

➤ **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 Computer Science

& 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/Workshop 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 and Their 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 AnalysisTechniques 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	Interna tional	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	Interna tional	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	Interna tional	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	National	Paper Presented
25	One-day workshop on “ Embedded and Its Applications ” 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	ANDROID BASED BLOOD BANK APPLICATION Vol.-01, Special Issue March-2026 Part-I	Power of Knowledge [An International Multilingual Quarterly Peer Review Refereed Research Journal”] https://www.powerofknowledge.co.in/	ISSN: 2320-4494	--	International	443-448
2	Deepfake Image Detection Using Wavelet-Driven Convolutional Feature Learning.	International Journal of Scientific Research in Computer Science, Engineering and Information	ISSN : 2456-3307	---	International	181-186

	Volume 12, Issue 6, January-February-2026	Technology. Available online at : www.ijrst.com				
3	Multimodal Fusion of Hyperspectral Imaging and Soil-Air IoT Parameters for Early-Stage Cotton Disease Forecasting. Volume 12, Issue 6, January-February-2026	International Journal of Scientific Research in Computer Science, Engineering and Information Technology. Available online at : www.ijrst.com	ISSN : 2456-3307	---	International	187-196
4	Comparative Study of Machine Learning Models for Crop Recommendation using IoT-Based Soil Nutrient Data. Volume 12, Issue 6, January-February-2026	International Journal of Scientific Research in Computer Science, Engineering and Information Technology. Available online at : www.ijrst.com	ISSN : 2456-3307	---	International	91-98
5	“Class Balancing for Soil Data: Predictive Modeling Approach for Crop Recommendation Using Machine Learning Algorithms” May-2025.	EPJ Web of Conferences 328, 01026 (2025), [DOI- https://doi.org/10.1051/epjconf/202532801026) [EPJ Web of Conferences; H. Liu et al., editors., Volume 328, id.01026, 11 pp.]	Scopus Indexed Bibcode: 2025EPJWC.32801026S	Scopus Indexed	17 & 18 May 2025.	1-11
6	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.ijrst.com [doi:http://doi.org/10.32628/IJSRST]	Print ISSN: 2395-6011 Online ISSN: 2395-602X	---	International	547-551
7	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.ijrst.com [doi:http://doi.org/10.32628/IJSRST]	Print ISSN: 2395-6011 Online ISSN: 2395-602X	---	International	547-551
8	Optimizing Cotton Crop Health Monitoring Using Smart Farming Techniques and Sensor- Based Systems. Special Issue- 2025	Adarsh Journal of Research Evaluation (AJRE)	2277-3983	---	National	1444-1456
9	IOT-Based Precision Agriculture: Soil Nutrient Analysis. Special Issue- 2025	Adarsh Journal of Research Evaluation (AJRE)	2277-3983	---	National	1096-1099
10	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
11	Intelligent Crop Selection: Leveraging Machine Learning for Soil- Informed Agriculture. Year 18-Dec.2024	Nanotechnology Perceptions https://nanotechnology.com/index.php/nano/article/view/4517	1660-795 Vol.20 No.7[2024]	Scopus-Covered	International	2601-2609

12	Random Forest Classifier for Crop prediction based on soil data. Vol-45 Issue-S-4 Year- 2024	Journal of Advanced Zoology	0253-7214	UGC	International	113-117
13	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
14	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
15	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
16	Glucoma Detection Through Optical Coherence 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
17	Classification of PH2 Images for Early Detection of Skin Diseases, 02-April-2021 .	IEEE-Explore	978-1-7281-8876-8 IEEE-Explore	Scopus-Index	International	1-7
18	Automation in agriculture using IoT and Machine Learning Algorithms. April-2021	Pratibha : International Journal of Science, Spirituality, Business and Technology (IJSSBT)	ISSN: (Print) 2277-7261	---	International	12-15
19	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
20	<i>Critical study of social networking & its effect on education system in case of undergraduate students and teachers of SGBAU, Amravati, MS, India. Page No. 2353-2359, Nov. 2019</i>	International Journal of applied Social Science	2394-1405	5.734	International	2353-2359
21	<i>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</i>	International Journal of applied Social Science	2394-1405	5.734	International	2177-2181

22	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
23	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
24	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
25	Shoe Print Recognition System for Forensic Investigation: A Review .vol.2 issue2, Feb.2014.	IJRCSIT	2319-5025	--	International	05-12
26	A Review: Analysis Of Footwear Impression Evidence Collection & Detection. Vol. 4, Issue 2, 2012.	International Journal of Machine Intelligence	0975-2927	--	International	410-413.
27	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.
28	Microarray Spot Detection Using 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
29	Microarray Spot Detection Using Flat Structuring Periodic Line And Specific Distance Shaped Morphology, Vol.1, Issue 2, 2009.	International Journal 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 Sem-V " Computer Graphics "	Dnyanpath Publication Amravati.	978-93-6409-898-4	Nov-2024 [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	2024-25	Enhancing Soil Data Analysis Through Advanced Feature Selection and Machine Learning Models.	978-81-986654-4-7	2 nd International Conference on Innovative Technologies & Computing Sciences (NCITCS-25)-27,28-March-2025	National	84-94
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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

10	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
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➤ **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	Awarded on 26-May-2026	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
4	Dr. A. B. Kadam	Ph.D	Mrs. Anjali J. Kumavat	01-09-2025	SGBAU/Ph.D./Com.Sci./...../2025 w.e.f. 01.09.20 [Pending]	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	PMMMNMST [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.2017	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	Interna tional	10-Aug-2024	Shri Vitthal Rukhmini Mahavidyalaya, Sawana, Dist-Yavatmal-445205
11	“Python Programming”	2024-25	College Level	College Level	07-Feb,2025	VSS, College Jalna

12	Intercollegiate Hackathon-2025 Competition	2024-25	Intercollegiate	Intercollegiate	17-Feb-2025	Shankarlal Khandelwal Arts, Science & Commerce College, Akola (M.S.)
13	Two- Day Workshop on “Startup and Entrepreneurship”	2025-26	State LevelTalk	State Level	30-09-2025	Shankarlal Khandelwal Arts, Science & Commerce College, Akola (M.S.)
14	"Next Generation Innovations in Computer Science, AI & Mathematical Sciences."	2025-26	International Conference	International	22-01-2026	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
12	05/01	05/01	2025-26

➤ **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 an 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 Criterion-III: Research, Consultancy & Extension [From 2024-25].
- Incharge of Science Faculty Time table Committee [2024-25, 2025-26].
- Coordinator of College RAC Committee [From 2025-26]
- Incharge of College Website Management [2025-26]