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 Panchhmukhi
                              Maghadeo Mandir, Khamgaon Road, Chikhli

Phone No. / Cell No.   : 8796336088

E-mail address   : avinashkadam28@gmail.com

Designation   : **Assistant Professor & HOD**

Department   : **Computer Science**

Date of Birth   : 14 May 1980

Area of Specialization   : Digital Image Processing, IOT, BCT, Cyber Forensic.

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
H.S.C.	Divisional Board Latur	Eng, Mar, Maths, Phy, Chem, Bio	2000	Second
Bachelor's Degree	Dr. BAMU, Aurangabad	Phy,Chem,Comp. Sci.	2003	First
Master's Degree(M.Sc.)	Dr. BAMU, Aurangabad	Computer Science	2005	First
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, Senior Professor, Dept. of Computer Science & IT.

                                          [Former, Director of BCUD, Dr. BAMU, Auranagabad]

Membership of Academic Organizations   :

- Life Memeber of ISCA [L18601] ,
- Life Member of IAENG [80344685]
- Life Member of IACSIT [122090]

- Senior Member of **UACEE**, 4-sept-2012, Member Number: **SNM1002869.**
- Editorial Board Member, *Bioinfo Publications*

Teaching Experience	**: 9 Year 5 Months**	
Research Experience	**: 15 Years**	
Guiding M. Sc. Projects & Dissertations	**: 12**	
Guiding Ph. D. Students	**: 01** [Registered]	
Publishing research papers. (Give the Complete list)	**: 13**	

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

Invited Talk / Guest Lecture : **: 07**

Conference/Workshop Attended : International **: 04** National **: 05** Sate**: 11**

Position Held : Head of the Department Sept. 2016 to till date

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

Organizing Convener Workshops**: 07 [Convener]**

Organizing Member **: 07**

- International Conference**-03**
- National Conference**-02**
- National 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]
- Scholarships: **01** [University Golden Jubilee Research Fellowship-**2015**, Dr. BAMU, Aurangabad]
- Reviwer : Worked as a Reviwer in Various Conferences.

➢ Worked on Various University Committees:
- Worked as as External Refree of M. Phil. Viava Voce Examination of Dept. of Computer Science & IT, Dr. B.A.M.U. Auranagabad.
- Worked as P.G. Paper Moderation of Dr. B.A.M.U. Auranagabad.
- Role in University Activities :-Valuation, Practical Examination, Invigilation:-

i] U.G. & P.G. 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 **10** Subject Examination Committee of SGBA University, Amravati.

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

➤ Organization of Various Conferences / Workshops / Seminars as Convener/ Committe 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.

➢ 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)	National e-Conference on **Role of Nanotechnology for sustainabale Future**	Department of Chemistry, Shri Shivaji Sci. & Arts College Chikhli	31-Aug-2021	National	Participated
2)	National Level Workshop on **Intellectual Property Rights**	IQAC, Shri Shivaji Sci. & Arts College Chikhli	10-july-2021	National	Participated
3)	One Day International E-Conference **"Advanced Functional Nanomaterials and Their Device Applicationas"**	Krishna Mahavidyalaya, Retere Bk, Shjivajinagar-415108, Tal-Karad, Dist-Satara (M.S.)	10-Aug-2020	International	Participated
4)	State Level Workshop on "Inttillectual Property Rights(IPR)"	Shri Shivaji Sci. & Arts College Chikhli	2018-19	State Level	Participated
5)	**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
6)	CSIR- Sponsored National Level Conference on **Biomedical Instrumentation Related Computerized Hardware & Software (NCBIRCH & S 2017)**	Kamala Nehru Mahavidyalaya, Nagpur	2016-17	National	Paper Presentaed
7)	UGC Sponsored 7 days Short Term Course on **Human Rights**.	Shri Shivaji Science & Arts College, Chikhli Distt. Buldana	2015-16	State	Participated
8)	National Conference on **Green Technology & Sciences for Sustainable Development**.	Anuradh Engg. College Chikhli Dist. Buldana	2014-15	National	Paper Presented
9)	"Recent Trends in Microarray for Life Sciences", National Conference on **"Advances**	Shri Shivaji College, Akola, (MS).	2012-13	National	Participated

	Innovative Research Trends in Biological Sciences (NCIRTBS-2012)" 08-09 Dec 2012				
10)	"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
11)	One-day workshop on **"Quantum GIS"** Sept 3, 2011.	Organized by Dept. of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad,	2011-12	State	Participated
12)	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
13)	Participated on **"Avishkar"** Jan - 2009.	Organized by Sant Gadge Baba Amravati University, Amravati,	2008-09	State	Participated
14)	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. Babasaheb Ambedkar Marathwada University, Aurangabad.	2007-08	International	Participated
15)	Participation of International Conference on **"Advances in Computer Vision and Information Technology (ACVIT-07)"**, 28-30 Nov 2007	Organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	2007-08	International	Participated
16)	Participated in **"Avishkar"** Jan - 2007.	Organized by Shri. Rashtrasant Tukdojo Maharaj University, Nagpur,	2007-08	State	Participated
17)	Two Days workshop on **"Emerging Research Trends in Advanced Computing"**, 2007.	Organized by North Maharashtra University,	2007-08	State	Participated
18)	One-day workshop on **"Embedded and Its Applications",** March 7, 2006.	Organized by Dept. of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University,	2006-07	State	Participated

		Aurangabad,				
19)	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 Present
20)	Role of computer Science & IT in Bioinformatics", September, 2006.	National Conference in Emerging Trends in Information Technology, VIT, Baramati, Pune (MS)	2006	National	Paper Present
21)	Bioinformatics Strategies in Proteome Analyses" , September, 2006.	National Conference in Emerging Trends in Information Technology VIT, Baramati, Pune (MS)	2006	National	Paper Presen
22)	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 Presen
23)	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 Presen
24)	One-day workshop on **"Embedded and Its Applications"** March 7, 2006.	Organized by Dept. of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2005-06	State	Participated
24)	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
25)	One-day workshop on **"E-Education"**, Sept. 16, 2005.	Organized by University Library, Dept. of CSIT and Dept. of Information and Library Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2005-06	State	Participated
26)	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	*Classification of PH2 Images for Early Detection of Skin Diseases, 2021.*	IEEE	978-1-7281-8876-8 Ieee-Explore	Scopus	International	--
2	*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
3	*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
4	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
5	Novel Approach of social networking sites quite useful for educational purpose. Page No. 24to28, April-June-2018.	International Multilingual refereed Research Journal	2319-9318	5.131	International	24-27
6	Comparative Study of Social Networking in Educational System: Case of Maharashtra State in India	Printing Area International Research Journal (IIJIF)	2394-5303	5.011	International	21-26
7	Comparative Study of Filtering Techniques for Shoe Print Recognition System	Vidya Warta (IIJIF)	2319-9318	3.1	International	88-94
8	Shoe Print Recognition System for Forensic Investigation : A Review . vol.2 issue 2, Feb. 2014.	IJRCSIT	2319-5025	--	International	05-12
9	A REVIEW: ANALYSIS OF FOOTWEAR IMPRESSION EVIDENCE COLLECTION & DETECTION. Vol. 4, Issue 2, 2012,	International Journal of Machine Intelligence	0975-2927	--	International	410-413.
10	A Novel Approach for Microarray Spot Segmentation & Detection Using Four Shaped Mathematical Morphology, Vol. 4, Issue 2, 2012,	International Journal of Advances in computational Reasearch	0975-3273	--	International	130-133.

11	NOVEL APPROACH FOR MICROARRAY SEGMENTATION USING TWO SHAPED FLAT STRUCTURING PERIODIC LINE AND SPECIFIC DISTANCE SHAPED MORPHOLOGY, Vol.4, No.2, Dec-2010,	International Journal of Computers, Information Technology and Engineering,		--	International	87-96.
12	MICROARRAY SPOT DETECTION USING FLAT STRUCTURING NON-NEGATIVE INTEGER, SCALAR AND SPECIFIC WIDTH SHAPED MORPHOLOGY", 2009.	International Journal of Advanced Research in Computer Engineering	0974-4320	--	International	
13	MICROARRAY SPOT DETECTION USING FLAT STRUCTURING PERIODIC LINE AND SPECIFIC DISTANCE SHAPED MORPHOLOGY, issue 2, 2009.	International Journal of Machine Intelligence	0975-2927	--	International	

  ➢ Book published with ISBN No., Without ISBN No., Chapter in Books.

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	2016-17	Study of Blood pressure and temperature sensor in Biomedical [Pg.No.84]	ISBN No.978-93-81432-563	Biomedical Instrumentation Related Computerised Hardware And Software	National	84-87

  ➢ 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	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

➢ Invited Lecture/ Session Chairpersonship:

Sr. No.	Title	Acdemic 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 Level Talk	State Level	06-01-2017	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco, 431003. Aurangabd
3	International Conference on Recent Advances in Computer Science Engineering & Technology [ICRACSET-2017]	2016-17	International Conference [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 Level Talk	State Level	25-09-2017	New Model Degree College Hingoli [SRTM University, Nanded]

5	State Level talk on "Data Mining"	2017-18	State Level Talk	State Level	28-12-2017	New Model Degree College Hingoli [SRTM University, 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 Level Talk	State Level	01-09-2018	New Model Degree College Hingoli [SRTM University, Nanded]
8	State Level talk on "Advances in IOT"	2018-19	State Level Talk	State Level	11-03-2019	New Model Degree College Hingoli [SRTM University, Nanded]
9	One Day Seminar on "Web Technology"	2019-20	State Level Talk	State Level	15-07-2019	G.S. Mandal's Marathwada Institute of Technology, N-4, Cidco, 431003. Aurangabd

> 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

> Participation in Co-curricular and Exta 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**: - For Classroom Lectures
- **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:-** Work as a Coordinator in College Admission Committee.
  - Member of Criterian-Research, Consultancy & Extention.
  - Coordinator of Online Teaching
  - Incharge of ICT & Internet Facility