

## 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, Digital & 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 [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**.

**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 Link:** <https://scholar.google.com/citations?user=SbzFkT0AAAAJ&hl=en>

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

**Patent:** National- 02- Published

|                                                      |   |                                                                                                                                                              |
|------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Teaching Experience                                  | : | <b>12 Year 11 Months</b>                                                                                                                                     |
| Research Experience                                  | : | <b>19 Years</b>                                                                                                                                              |
| Guiding M. Sc. Projects & Dissertations              | : | <b>51</b>                                                                                                                                                    |
| Guiding Ph. D. Students                              | : | <b>03</b> [Registered]                                                                                                                                       |
| Publishing research papers. (Give the Complete list) | : | <b>20</b>                                                                                                                                                    |
| Paper Presented                                      | : | International : <b>00</b> National : <b>09</b>                                                                                                               |
| Invited Talk / Guest Lecture                         | : | <b>11</b>                                                                                                                                                    |
| Conference/Workshop Attended                         | : | International : <b>04</b> National : <b>05</b> State: <b>11</b>                                                                                              |
| Position Held                                        | : | Head of the Department Sept. 2016 to till date.<br>Head of Research Center 2022 to till date.<br>Member of BOS in Computer Science of SGBAU, Amravati [2022] |

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

|                      |   |                                                                                                                                                                                                             |
|----------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organizing Workshops | : | <b>10 [Convener]</b>                                                                                                                                                                                        |
| Organizing Member    | : | <b>09</b>                                                                                                                                                                                                   |
|                      |   | <ul style="list-style-type: none"><li>• International Conference-<b>03</b></li><li>• National Conference-<b>02</b></li><li>• National Workshop-<b>02</b></li><li>• State Level Workshop-<b>02</b></li></ul> |

➤ **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/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)      | National e-Conference on <b>Role of Nanotechnology for sustainable Future</b>                                | Department of Chemistry, Shri Shivaji Sci. & Arts College Chikhli                      | 31-Aug-2021   | National                | Participated           |
| 2)      | National Level Workshop on <b>Intellectual Property Rights</b>                                               | IQAC, Shri Shivaji Sci. & Arts College Chikhli                                         | 10-July-2021  | National                | Participated           |
| 3)      | One Day International E-Conference“ <b>Advanced Functional Nanomaterials and Their Device Applications</b> ” | Krishna Mahavidyalaya, Retere Bk, Shjivajinagar-415108, Tal- Karad, Dist-Satara (M.S.) | 10-Aug-2020   | International           | Participated           |
| 4)      | State Level Workshop on <b>“Inttillectual Property Rights(IPR)”</b>                                          | Shri Shivaji Sci. & Arts College Chikhli                                               | 2018-19       | State Level             | Participated           |

|     |                                                                                                                                                                                                            |                                                                                            |         |               |                          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------|---------------|--------------------------|
| 5)  | <b>Industry, Academia &amp; environmental Challenges”</b><br>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 <b>Biomedical Instrumentation Related Computerized Hardware &amp; Software (NCBIRCH &amp; S 2017)</b>                                                         | Kamala Nehru Mahavidyalaya, Nagpur                                                         | 2016-17 | National      | Paper Presented          |
| 7)  | UGC Sponsored 7 days Short Term Course on <b>Human Rights.</b>                                                                                                                                             | Shri Shivaji Science & Arts College, Chikhli Dist. Buldana                                 | 2015-16 | State         | Participated             |
| 8)  | National Conference on <b>Green Technology &amp; Sciences for Sustainable Development.</b>                                                                                                                 | Anuradh Engg. College Chikhli Dist. Buldana                                                | 2014-15 | National      | Paper Presented          |
| 9)  | “Recent Trends in Microarray for Life Sciences”, National Conference on <b>"Advances Innovative Research Trends in Biological Sciences (NCIRTBS-2012 )" 08-09 Dec 2012</b>                                 | Shri Shivaji College, Akola,(MS).                                                          | 2012-13 | National      | Participated& Presentred |
| 10) | “Microarray Image AnalysisTechniques by Using Edge Detection for Life-Sciences”, National Conference on <b>"Advances Innovative Research Trends in Biological Sciences (NCIRTBS-2012)"</b> ,08-09 Dec 2012 | Shri Shivaji College, Akola,(MS).                                                          | 2012-13 | National      | Participated             |
| 11) | One-day workshop on <b>“Quantum GIS”</b> Sept 3, 2011.                                                                                                                                                     | Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,               | 2011-12 | State         | Participated             |
| 12) | Participation of International Conference on <b>"Advances in Computer Vision and Information Technology (ACVIT-09)"</b> , 16-19 Dec 2009                                                                   | Organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. | 2009-10 | International | Participated             |
| 13) | Participated on <b>“Avishkar”</b> Jan - 2009.                                                                                                                                                              | Organized by Sant Gadge Baba Amravati University, Amravati,                                | 2008-09 | State         | Participated             |
| 14) | Participation of International Conference on <b>"International Conference on Microwaves &amp; Optoelectronics (ICMO-07)"</b> ,17-20 Dec 2007                                                               | Organized by Dept. of Physics & Department of CS and IT, Dr. BAM University,Aurangabad,    | 2007-08 | International | Participated             |
| 15) | Participation of International Conference on <b>"Advances in Computer Vision and Information Technology (ACVIT-07)"</b> , 28-30 Nov 2007                                                                   | Organized by Dept. of CS andIT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.  | 2007-08 | International | Participated             |
| 16) | Participated in <b>“Avishkar”</b> Jan - 2007.                                                                                                                                                              | Organized by Shri. Rashtasant Tukdojo Maharaj University, Nagpur,                          | 2007-08 | State         | Participated             |

|     |                                                                                                            |                                                                                                                             |         |          |                 |
|-----|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------|----------|-----------------|
| 17) | Two Days workshop on " <b>Emerging Research Trends in Advanced Computing</b> ", 2007.                      | Organized by North Maharashtra University,                                                                                  | 2007-08 | State    | Participated    |
| 18) | One-day workshop on " <b>Embedded and Its Applications</b> ", March 7, 2006.                               | Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,                                                | 2006-07 | State    | Participated    |
| 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 Presented |
| 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 Presented |
| 21) | Bioinformatics Strategies in Proteome Analyses", September, 2006.                                          | National Conference in Emerging Trends in Information Technology VIT, Baramati, Pune (MS)                                   | 2006    | National | Paper Presented |
| 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 Presented |
| 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 Presented |
| 24) | One-day workshop on " <b>Embedded and Its Applications</b> " March 7, 2006.                                | Organized by Dept. of Computer Science & IT, Dr. BAM University, Aurangabad,                                                | 2005-06 | State    | Participated    |
| 24) | Short Term Training Program on " <b>Wavelets And Advanced Wavelets</b> ", 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 " <b>E-Education</b> ", 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    |
| 26) | Participated On " <b>Science Exhibition</b> " 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       | IOT-Based Precision Agriculture: Soil Nutrient Analysis. Special Issue-2025 | Adarsh Journal of Research Evaluation (AJRE) | 2277-3983 | --            | National                | 1096-1099 |

|    |                                                                                                                                                                                                                                  |                                                                                                                                                                                   |                                                   |                |               |           |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------|---------------|-----------|
| 2  | Intelligent Crop Selection: Leveraging Machine Learning for Soil- Informed Agriculture. Year <b>18-Dec.2024</b>                                                                                                                  | Nanotechnology Perceptions                                                                                                                                                        | 1660-795 Vol.20 No.7[2024]                        | Scopus         | International | 2601-2609 |
| 3  | Random Forest Classifier for Crop prediction based on soil data. Vol-45 Issue-S-4 Year- <b>2024</b>                                                                                                                              | Journal of advanced Zoology                                                                                                                                                       | 0253-7214                                         | Scopus         | International | 113-117   |
| 4  | Detecting Sign Language for the Deaf and Mute Using Neural Networks. <b>July- September, 2023</b> , 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 |
| 5  | Critical Data Analysis of Various IoT-Based Technologies for Automated Smart Farming. <b>15-March-2023</b>                                                                                                                       | International Journal of Scientific Research in Computer Science, Engineering and Information Technology [https://ijsrcseit.com/]                                                 | ISSN : 2456-3307 UGC Journal No : 64718           | 7.25           | International | 411-437   |
| 6  | Crop Recommendation Using Machine Learning Classification Techniques. <b>15-March-2023</b>                                                                                                                                       | International Journal of Scientific Research in Computer Science, Engineering and Information Technology [https://ijsrcseit.com/]                                                 | ISSN : 2456-3307 UGC Journal No : 64718           | 7.25           | International | 31-38     |
| 7  | Automation in agriculture using IoT and Machine Learning Algorithms. <b>April-2021</b>                                                                                                                                           | Pratibha : International Journal of Science, Spirituality, Business and Technology (IJSSBT)                                                                                       | ISSN: (Print) 2277-7261                           | ---            | International | 12-15     |
| 8  | <i>Glucoma Detection Through Optical Coherence Tomograph Images. 2023</i>                                                                                                                                                        | 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   |
| 9  | Classification of PH2 Images for Early Detection of Skin Diseases, <b>0202021.</b>                                                                                                                                               | IEEE-Explore                                                                                                                                                                      | 978-1-7281-8876-8 IEEE-Explore                    | Scopus         | International | 1-7       |
| 10 | <i>Critical study of social networking &amp; its effect on education system in case of undergraduate students and teachers of SGBAU, Amravati, MS, India. PagNo.2353-2359, Nov.2019</i>                                          | International Journal of applied Social Science                                                                                                                                   | 2394-1405                                         | 5.734          | International | 2353-2359 |
| 11 | <i>Impact of social networking sites on educational system: In case of students &amp; Teachers of SGBAU Amravati, Dr. BAMU Aurangabad, SRTMU Nanded &amp; 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 |

|    |                                                                                                                                                         |                                                                                |           |       |               |          |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------|-------|---------------|----------|
| 12 | Novel approach of social networking sites quite useful for educational purpose in case of UG & PG Students. Page No.1-9, <b>Jan.2020.</b>               | International journal of social research foundation                            | 2321-211X | ..... | International | 01-09    |
| 13 | Novel Approach of social networking sites quite useful for educational purpose. Issue-26 Vol-01, Page No.24to28, <b>April-June-2018.</b>                | Vidyawarta: International Multilingual Refereed Research Journal               | 2319-9318 | 5.131 | International | 24-27    |
| 14 | Comparative Study of Social Networking in Educational System: Case of Maharashtra State in India, Issue 47 Vol. <b>02 April-2018</b>                    | Printing Area International Research Journal(IIJIF)                            | 2394-5303 | 5.011 | International | 21-26    |
| 15 | Comparative Study of Filtering Techniques for Shoe print Recognition System, Issue.15, Vol.02 <b>July-Sept-2016.</b>                                    | Vidyawarta(IIJIF)                                                              | 2319-9318 | 3.1   | International | 88-94    |
| 16 | Shoe Print Recognition Systemfor Forensic Investigation: A Review .vol.2 issue2, <b>Feb.2014.</b>                                                       | IJRCSIT                                                                        | 2319-5025 | --    | International | 05-12    |
| 17 | A Review: Analysis Of Footwear Impression Evidence Collection & Detection.Vol. 4, Issue 2, <b>2012.</b>                                                 | InternationalJournal of Machine Intelligence                                   | 0975-2927 | --    | International | 410-413. |
| 18 | A Novel Approach for Microarray Spot Segmentation & Detection Using Four Shaped Mathematical Morphology, Vol. 4, Issue 2, <b>July-2012,</b>             | Advances in Computational Reasearch                                            | 0975-3273 | --    | International | 130-133. |
| 19 | Microarray Spot Detection Using Flat Structuring Non- Negative Integer, Scalar And Specific Width Shaped Morphology", Vol.3 No.2, <b>July-Dec.2009.</b> | International Journal Computer Science & System Analysis [Serial Publications] | 0973-7448 | --    | International | 77-81    |
| 20 | Microarray Spot Detection Using Flat Structuring Periodic Line And Specific Distance Shaped Morphology, Vol.1, Issue 2, <b>2009.</b>                    | 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 Sem-V " <b>Computer Graphics</b> "                            | Dnyanpath Publication Amravati.     | 978-93-6409-898-4 | Nov-2024<br>[2024-25]  |
| 2       | Book Edited      | A Textbook of B.Sc. Second Year in Computer Science " <b>Networking and Web Technology</b> " | Dnyanpath Publication Amravati.     | 978-81-19435-87-6 | Sept-2023<br>[2023-24] |
| 3       | Book Edited      | Shivaji Interdisciplinary Research Journal                                                   | Ajanta Prakashan Aurangabad, India. | 978-93-83587-52-0 | Aug-2022<br>[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 | 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  |
| 2       | 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    |
| 3       | 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  |
| 4       | 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     |
| 5       | 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    |
| 6       | 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  |
| 7       | 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  |
| 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    |

➤ **Year wise Research Guidance:**

| Sr. No. | Name of Supervisor | Degree | Name of Students    | Year       | Registration No.                        | Status  | Research Center                               |
|---------|--------------------|--------|---------------------|------------|-----------------------------------------|---------|-----------------------------------------------|
| 1       | Dr. A. B. Kadam    | Ph.D.  | Mrs.Kranti G.Sapkal | 01-09-2019 | SGBAU/PH.D./CPS/123/2020 wef 01/09/2019 | Working | PG Dept. of Computer Science, 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 Scie. & 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 Scie. & 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 | PMMMNMTH [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 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 Computer 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. Aurangabad  |
| 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. 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     | 54/02                       | 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 2024-25].
- Incharge of Criterion-III: Research, Consultancy & Extension.
- Coordinator of Online Teaching [Covid-19 Period]
- Incharge of ICT & Internet Facility