

Dr. Kavita Anandrao Khobragade , Ph.D., M.Sc. CS., UGC-NET

Present position

- **Head and Associate Professor**

Contact Details (Mention e-mail)



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Work Experience

- **Teaching: 26 years**
- **Research/Industrial: 14 years**

Personal Profile

- Completed B.Sc. from Deogiri College, Aurangabad and M.Sc. (Computer Science) from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad , Maharashtra in 1994.
- Successfully cleared UGC-NET in December 1998.
- Completed Ph.D. (Computer Science) on the topic Iris Recognition : A Multiwavelet Approach from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad , Maharashtra on 30 March 2015.
- Started teaching career from Dhyanopasak College, Parbhani, Maharashtra in 1995.
- Joined Fergusson College as Lecturer in December 1996.
- Heading the Computer Science Department as Associate Professor from November 2018.
- Provided Expert Talks and worked as Guest Speaker in various colleges and conference.
- Reviewed many research papers from different National and International conferences.
- Published more than 30 research papers in different National and International conferences.
- Worked as Editorial Board Member, Technical Committee Member, Session Chair, and Session Coordinator in different International Journals, National and International conferences, etc.
- Worked as Chairman of Board of Studies (Data Science) and member of Academic Council at Fergusson College (Autonomous), Pune from November 2018 till date.
- Chairman of Board of Studies (Computer Science) and member of Academic Council at Fergusson College (Autonomous), Pune from November 2018 till date.
- Chairman of Board of Studies (Computer Application) and member of Academic Council at Fergusson College (Autonomous), Pune from November 2018 till date.
- Worked as BOS member of B.Sc. (Computer Science) and M.Sc. (Computer Science and Computer Application) at Fergusson College (Autonomous), Pune from December 2017 to October 2018.
- Received Women Researcher Award from International Conference, Chennai.

- Provided guidance and expert talks on Preparation for NET/SET examination.
- Published 33 National books from local publisher and 1 International book from Lambert Publication, Germany.
- Organized various workshop, seminars, and conferences at department level.

Course(s) Taught (Only Titles)

1. Programming in C
2. Programming in Pascal
3. Programming in Basic
4. Programming in COBOL
5. Visual Basic
6. Business Data Processing
7. Programming in JAVA
8. Computer Graphics
9. Software Engineering
10. Software Engineering and UML
11. Object Oriented Software Engineering
12. Computer Networks
13. Data Communication
14. Database Management Systems
15. Relational Database Management Systems
16. Digital Image Processing

Field of Specialization/Areas of Interests

- Image Processing
- Biomedical Image Processing
- Biometrics
- Pattern Analysis
- Computer Vision
- Software Engineering
- Computer Networks

Education

- Ph.D. – (Computer Science): from 2009 to March 2015
Title of the Thesis: Iris Recognition : A Multiwavelet Approach
Name of University / Institution: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad , Maharashtra
Year of Award – 30 March 2015
- Master of Science - (Computer Science): 1994
University/College -Dr. Babasaheb Ambedkar Marathwada University, Aurangabad , Maharashtra
- Bachelor of Science- (Microbiology, Botany, Chemistry): 1992
College, University, Place - Deogiri College, Aurangabad affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad , Maharashtra

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. Received **“Women Researcher Award”** at 7th International Scientist Awards on Engineering, Science and Medicine, held on 04 & 05-Jul-2020, Coimbatore, India, and Organized by VDGGOOD Professional Association.
2. Received **“Best Paper Award”** at National Conference in on “Relevance of Research Methodology in Computer Science” at Christ College, Pune (MS), India for the research paper on “Cipher Text Conversion with Encrypted Polynomial Equation”, 12th & 13th February 2016.
3. Received **“Best Paper Award”** at National Conference in “Recent Trends in Computer Science and Mathematics Applications” at Indira College, Pune (MS), India for the research paper on “Monitoring Tigers in Their Natural Habitat with Camera Trap Images and Image Processing” on 2013.

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Vice Chancellor Nominee on Board of Studies at T.C. College Baramati from 2022 for 3 years	Member of Bioinfo Publications : Advances in Computational Research (Id- A6BDCE24E)	Session Chair for the 3 rd Biennial International Conference on “Recent Trends in Image Processing And Pattern Recognition (RTIP2R), at Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS), India on 3 rd to 4 th January 2020.
Member of Board of Studies (Computer Science) at Bajaj College, Vardha from 2019 to till date	Editorial Member for a Blind-peer reviewed Journal named “International Journal of Biometrics” , listed in UGC Journal list.	Session Chair for the National Conference on “Innovation & development in Computational & Applied Science” at MIT College, Alandi, Pune held on 15 th & 16 th December 2017.
Chairman of Board of Studies (Computer Science) and member of Academic Council at Fergusson College (Autonomous), Pune from November 2018 till date	Member of Local Enquiry Committee (LIC Member) for the Academic year 2010-2011 for new B.Sc. Computer Science course starting at College of Commerce and Information	Session Coordinator for the International Conference on “Recent Trends in Computer Science Engineering and Technology (ICRACSET-2017) at G.Y. Pathrikar College of Computer Science And

	Technology, Chinchwad, Pune on 9 th August 2010.	Information Technology, Aurangabad held on 2 nd to 4 th February 2017.
Chairman of Board of Studies (Computer Application) and member of Academic Council at Fergusson College (Autonomous), Pune from November 2018 till date.	Member of Local Enquiry Committee (LIC Member) for the Academic year 2010-2011 for new B.Sc. Computer Science course starting at Suryadatta College, Karvenagar, Pune on 16 th September 2010.	Session Chair for the National Conference on Recent Advances in Information Technology (NCRAIT-2014), Dept. of Computer Science and Computer Applications, School of Computational Sciences, Solapur University, Solapur, (MS), India, 15-16 February 2014.
BOS member of M.Sc. (Computer Application) at Fergusson College (Autonomous), Pune from December 2017 to October 2018.		Session Coordinator for the National Conference on “Emerging Trends in Computer Science and Computer Applications (NCETCSA-2013))” at Computer Science Department, Fergusson College, Pune on 7 8 December 2013.
BOS member of B.Sc. (Computer Science) at Fergusson College (Autonomous) from June 2016 to to October 2018.		Session Coordinator for the 2 nd International Conference on “Advances in Computer Vision and Information Technology (ACVIT-2009)” at Department of Computer Science And Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, held on 16 th to 19 th December 2009.
BOS member of M.Sc. (Computer Science) at Fergusson College (Autonomous) from June 2016 to October 2018.		

Employment History

1) **Organization : DSM College, Parbhani, Maharashtra**

Role : Lecturer

Duration : 1995-1996

Responsibilities	<ul style="list-style-type: none">Academics (Lectures & Practical's)
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2) **Organization : Fergusson College, Pune**

Role : Head & Associate Professor

Duration : 1996 – till date

Responsibilities	<ul style="list-style-type: none">Administration as HeadAcademics (Lectures & Practical's)Preparation of e-notes and laboratory contents [Lab Books] for various practical oriented subjects for B.Sc. Computer Science students
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Research Publications in National and International Journals

Example:

1. Siddharth B. Dabhade, Nagsen Bansod, Naveena M., **Kavita Khobragade**, Y.S. Rode, M.M. Kazi, K. V. Kale, "Double Layer PCA based Hyper Spectral Face Recognition using KNN Classifier", IEEE Transaction Journal, 2017 [978-1-5386-3243-7/17/\$31.00 ©2017 IEEE].
4. Anupriya K. Kamble, Ramesh R. Manza, Yogesh M. Rajput, **Kavita Khobragade**, "Classification of Insulin Dependent Diabetes Mellitus Blood Glucose Level Using Support Vector Machine", IOSR Journal of Computer Engineering (IOSR-JCE), PP 36-42, Impact factor **3.875**, February 2017 [e-ISSN: 2278-0661, p-ISSN: 2278-8727].
5. **Kavita Khobragade**, Dr. K.V. Kale, "Feature Level Fusion using Multi-wavelet Based Iris Feature Extraction", International Journal of Current Engineering and Technology (IJCET), Inpressco International Press Corporation, Vol. 4, No. 5, Impact factor **4.550**, October 2014. [E-ISSN: 2217-4106; P-ISSN: 2347-516]
6. **Kavita Khobragade**, Dr. K.V. Kale, "Multi-wavelet Based Feature Extraction Algorithm For Iris Recognition", International Journal of Engineering And Innovative Technology (IJEIT), Vol. 3, Issue 12, pp-368-373, Impact factor **1.985**, June 2014.
7. **Kavita Khobragade**, Dr. K.V. Kale, "A New Technique for Fast and Accurate Iris Localization", Online Peer Review International Journal of Innovations in Engineering and Technology, (IJIET), Volume 3, Issue 3, pp-25-32, Impact factor **0.672**, February 2014. [ISSN: 2319-1058] link: www.ijiet.com.
8. **Kavita Khobragade**, "Pattern Matching to Monitor the Tigers in Their Natural Habitat", Bi-annual Interdisciplinary Research Journal named "The Knowledge & Research Journal", Gondia, Vol II, Issue I, pp-18-23, January 2014 [ISSN: 2320-1487].

9. **Kavita Khobragade**, Dr. K.V. Kale, "Iris Edge Detection with Bit-plane Slicing Technique", International Journal of Computer Applications (IJCA), Impact factor **0.821**, 2014 [ISSN : 0975-8887].
10. **Kavita Khobragade**, "Study and Comparison of Iris Edge Detection Technique", Online Peer Review International Journal of Computer Architecture and Mobility (IJCAM-2013), Volume 1, Issue 5, March 2013. [ISSN: 2319-9229]
11. **Kavita Khobragade**, "Sensor based Biometric Authenticated Multi-Model for Automatic Attendance System", International Journal of Computer Applications (IJCA), 2012 [ISSN : 0975-8887].
12. **Kavita Khobragade**, "Sensor based Biometric Authenticated Model for University Examination", International Journal of Advances in Management, Technology & Engineering Sciences (IJAMTES), Vol. 1, Issue 7 (IV), pp- 91-94, April 2012, [ISSN : 2249-7455]
13. **Kavita Khobragade**, "Biometric Characteristics and Their Applications: A Review", International Journal of Computer Science and Application, (IJCSA), Issue III, pp-06-12, 2012. [ISSN: 0974-0767].
14. **Kavita Khobragade**, Dr. K.V. Kale, "An Iris Localization Algorithm : A Review", International Journal of Advances in Management, Technology & Engineering Sciences (IJAMTES), Vol. 1, Issue 6 (IX), March 2012, pp- 194-197, [ISSN : 2249-7455]
15. **Kavita Khobragade**, "Knowledge Management in Image Processing Applications", Online Peer Review International Research Journal of Signal Processing (IRJSP), Volume 03, Issue 1, January-April 2012, [ISSN: 2249-6505] link: <http://technicaljournals.org/TJ>.

Participation in Conferences/Seminars/Symposia/Workshop:

1. Dr. Kavita Khobragade, Participated and Attended one day Pre-conference workshop on **"Geospatial Pattern Analysis and Machine Intelligence"**, organized by **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India, on 31st July 2022.**
2. Dr. Kavita Khobragade, Participated and Attended three days Virtual Hands-on Training program on **"Python for Data Analysis"**, organized by **Reva University, Bengaluru, India, from 17st June 2020 to 19th June 2020.**
3. Dr. Kavita Khobragade, Participated and Attended one day workshop on **"Intellectual Property Rights"** for teachers on **4th February 2020** at **Fergusson College (Autonomous), Pune.**
4. Dr. Kavita Khobragade, Participated and attended pre-conference workshop for the 3rd Biennial International Conference on **"Recent Trends in Image Processing And Pattern Recognition (RTIP2R)"**, at **Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS), India on 2nd January 2020.**
5. Dr. Kavita Khobragade, Participated and Attended three days faculty development program on **"Data Science using Python and Machine Learning"** by **Mr. Sanjay Sane on 13th, 14th and 16th December 2019** at **Fergusson College (Autonomous), Pune.**

6. Dr. Kavita Khobragade, Participated and Attended a National Level Seminar on **“Bit-Bytes in Computing, Communication & Informatics”**, at **Pratibha College of Commerce And Computer Studies, Pune on 20-21 January 2017.**
7. Dr. Kavita Khobragade, Participated and Attended one day workshop on **“Computer Graphics: T.Y.B.Sc. (Computer Science)”**, at **Department of Computer Science, Savitribai Phule Pune University, Pune on 17 October 2015.**
8. Dr. Kavita Khobragade, Participated and Attended the complimentary Seminar on **“MATLAB and Simulink for Engineering Education”**, at **MathWorks India Pvt. Ltd., Pune on 13 March 2014.**

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	National Conference on “Emerging Trends in Computer Science and Computer Applications (NCETCSA-2013)”	Computer Science Department, Fergusson College, Pune	Session Coordinator	7 th and 8 th December 2013

Additional skills/Activities

- Worked as Assistant Director, Central Assessment Program (CAP) for B. Sc. (Computer Science) under Savitribai Phule Pune University.
- Participated in various faculty development programs, Seminars and Panel Discussion on advanced topics.
- Worked as Subject Expert on Interview panel of CDAC And various colleges affiliated to Savitribai Phule Pune University.
- Member and Resource person in various Syllabus Revision workshops under Savitribai Phule Pune University.

Course Content Developed (e-content)

- Created various my Classrooms on Google to provide e-content and power-point presentation to B.Sc. students for various subjects.