

Dr Bhavya D.N BE.,MTech.,PhD.

Assistant professor

Dept of Computer Science

Karnataka State Open University

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Education:

PhD: [Computer Science]

University of Mysore, Karnataka, India

Topic: Fusion strategies for multimodal Biometric system

BE: [Computer Science]

Visvesvaraya Technological University, Belagavi, Karnataka, India

MTech: [Computer Science]

Visvesvaraya Technological University, Belagavi, Karnataka, India

KSET: [Computer Science]

Qualified in Computer science, Karnataka state Eligibility test
accredited by UGC.

Field of Research:

- Biometrics, Pattern Recognition and Machine learning.

Professional Experience

- May. 2013 to till date – Assistant Professor, Dept. of Studies in Computer Science, Karnataka State Open University, Mysore.
- 2012 to 2013 – Lecturer (Temporary), Dept. of Studies in Computer Science, Karnataka State Open University, Mysore.
- 2010 to 2011- Guest lecturer, Dept. of Studies in Computer Science, Govt. engineering college K.R.pet
- 2008 to 2010- Guest lecturer, Govt. Diploma College, K.R.Pet, Computer science Department.

Professional Recognition

- Worked as a special officer for digital valuation in examination section at Karnataka State Open University Mysore, Mysore.
- Worked as a radio coordinator at Karnataka State Open University Mysore,

Mysore.

- Guiding several MSc students for their project work

Academic / Membership in Professional bodies

- Serving as a BOS Chairman, Department of Computer Science, Karnataka State Open University Mysore, Mysore.
- Served as a BOE Chairman and served as a BOS Member, Board of Examiners (PG) and Board of Examiners (UG) in Computer Science, Information Technology in Karnataka State Open University Mysore, Mysore.

Academic Awards

- Awarded best paper for **Wavelet Transforms in Palm Print Recognition**, International Conference On Engineering, Technology and Management for the Sustainable Development, ISSN: 0193-4120 Page No. 12589 – 12597, May- June 2020

Areas of interest

- Academic interest Computer Architecture, Computer Networks, Computer Graphics, Internet Technologies, DBMS, programming concepts using C and Image Processing.

Research Interest

- Object recognition, Feature extraction and retrieval, Image segmentation, Character recognition, Document image analysis, Text classification.
- Multimodal biometric system, Pattern Recognition, Computer Vision and Machine Learning.

Workshops/ Symposiums / Conferences /Orientation courses attended and Refresher

- Participated in **Three Day's Faculty Development Programme** in the subject **Computer Science** from 16th to 18th February 2012 at Karnataka State Open University, Mysore in collaboration with Vision Group on Science & Technology, *Government of Karnataka*, Bangalore- 560 001 and Infosys, Mysore. Karnataka, India.
- Two days Workshop on “**Self Learning Material Development**” held from October 7th -8th 2013 at Karnataka State Open University, Mysore. Karnataka, India.

- Participated 102nd Orientation Programme on 28-12-2013 to 24- 01- 2014 at UGC Academic Staff College University of Mysore. India
- Three days National level workshop on **“Mathematics behind Machine Learning”** from August 21-23rd 2014 at Sri Jayachamarajendra College of Engineering, Mysore.Karnataka, India.
- One-day National conference on **“Human Rights-A National and positive Edict”** has been organizing committee member held on 3rd Feb 2015 at Karnataka State Open University, Mysore. Karnataka, India.
- One-day National Conference Accelerating Gross enrollment ratio in education-issues and challenges at KSOU 14th May 2015.
- 103rd Indian sciencecongress held atuniversity of university,Manasagangotri, Mysore on 3rd-7th January 2016.
- Two day National Conference on “Emerging Trends in Computer Science and Technology” held at St. Philomena’s College(Autonomous) Mysore on February 17-18,2016 organized by the Department of Computer Science
- Workshop on “Statistics and probability” on October 15-16th,2016at Maharaja Institute of Technology, Mysuru.
- Faculty development programmeon “computational Linear Algebra on 7th-11th December 2016 at Sri Jayachamarajendra College of Engineering, Mysore.Karnataka, India.
- One day Workshop on Latex at Department of computer Science university of Mysore on 11-03-2017
- Three day Faculty development programme on Network simulator-2 held from 17th-19th August 2017, organized by the Department of computer science and engineering, Vidyavardaka college of Engineering, Mysuru,karnataka, India.
- Participated Refresher Course on 01-03-2018 to 21-03-2018 at UGC Academic Staff College University of Mysore. India
- Participated in 5-Day Online Faculty Development Programme on **“Data Visualization using Tableau”** conducted by the Department ofComputer Applications during **8-12 June 2020**. DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Bangalore.
- Participated in the online 5 days’ online faculty development programme on **“Artificial intelligence on Data science”** from **10th June 2020 to 14th June 2020**, Organized by Department of Information technology, Oriental Institute of Science and Technology, Bhopal.

- Participated in the online AICTE recognized faculty development programme on “**Applications on IOT**” 16-06-2020 to 20-06-2020 at Computer Science and Engineering Department NITTTR, Chandigarh.
- Participated State Level WEBINAR on "**ICT Initiatives in ODLSystem**" held on 11/07/2020, organized by ICT Cell, KARNATAKA STATE OPEN UNIVERSITY, MYSURU.
- Participated in the Five Day Faculty Development Programme on“**Research Trends And Challenges In Computer Science**” held at Vidyavardhaka College Of Engineering, Mysuru from 13-07-2020 to 17-07-2020 organized by the Department of Computer Science & Engineering
- Participated One-day workshop on “**Choice based credit system**” on 5-11-2020, organized by Karnataka state Open University Mysuru.
- Participated in Seven days’ state level faculty development program on “**Research trends in physical sciences**” Organized by NIE first grade college Mysore from 15-01-2021 to 22-01-2021.
- Participated in the workshop on “**Use of technology and OER for Online Content Development for Better Learning**” from 22nd March 2021 to 26th March 2021 at KSOU Mysore. India
- Participated one-day national webinar on “**Introduction to Artificial intelligence, Machine learning applications**” organized by the department of Information technology, Karnataka state open University, Mysore on 21-03-2022
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Twinning/Dual/Joint Degrees**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 23rd June 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Multiple Entry/Exit**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 23rd June 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: internationalization of Higher Education**) organized by the UGC-Human Resource Development Centre, University of Mysore,

Manasagangotri, Mysuru on 27th June 2022.

- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Multi-disciplinary approach to education**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 28th June 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Good Academic Research Practices**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 23rd July 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Digital Governance**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 26th July 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: National Skill Qualification Framework**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 28th July 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Academic Bank of credits**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 29th July 2022.
- Participated in the UGC Sponsored Webinar on NEP 2020(**Theme: Changing Role of Teachers**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 6th September 2022.

LIST OF PUBLICATIONS:

BOOKS:

1. II/BA/B. Com, of KSOU, Mysore. **FCA** (Fundamentals of Computer Application) one Block written and published by Registrar KSOU, Mysore. 2014.
2. DCA- Diploma in Computer Application- **INTERNET&WEBDESIGN** - Two units and published by Registrar KSOU, Mysore. 2014.
3. PGDCA-Post Graduate Diploma in Computer Application First Semester - **PROGRAMMING IN “C”**- Two units and published by Registrar KSOU, Mysore. 2014.
4. PGDCA-Post Graduate Diploma in Computer Application First Semester –

Operating System- Two units and published by Registrar KSOU.

PAPERS PUBLISHED:

- 1. Segmentation of Tri-Lingual Documents**, International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 7, issue 2, pp. 103-111, February 2017.
- 2. Textural Features in Script Identification for Printed Bilingual Documents**, International Journal of Computer Engineering and Applications, (IJCEA), Volume XII, Issue I, pp. 264-281, Jan. 18
- 3. Feature and Decision Level Fusion in Children Multimodal Biometrics** International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, January 2020
- 4. Multimodal Biometric Identification System using Deep Learning**, Advances in International Journal of Scientific Research in Computer Science and Engineering, E-ISSN: 2320-7639, October (2020).
- 5. Wavelet Transforms in Palm Print Recognition**, International Conference On Engineering, Technology and Management for the Sustainable Development, ISSN: 0193-4120 Page No. 12589 – 12597, May- June 2020.
- 6. A System to Detect the Faces in Unconstrained Environment**, World congress on information and communication technologies (WICT), Springer, ISSN NO: 0973-1873, December 2020.
- 7. Texture Features and KNN Classifier for Person Identification Using Multimodal Biometrics**, advanced engineering science, (ISSN: 2096-3246) is a bi-monthly peer-reviewed international Journal, 2022.