

Dr. Mahesha D.M., MCA., PhD.,

Assistant professor

Dept of Computer Science

Karnataka State Open

university Mukthagangotri

Mysuru-570006

mahesha.dm@ka.gov.in,

maheshadm@gmail.com

+919901249102

EDUCATION:

PhD: [Computer Science]

- PRIST University Thanjavur, Tamilnadu, India
- Topic: Classification and Retrieval of Tri-Lingual Scripts

MCA: [Computer Science]

- Bangalore University, Bangalore, Karnataka, India

KSET: [Computer Science]

- Qualified in Karnataka state Eligibility test accredited by UGC.

FIELD OF RESEARCH:

- Text recognition in image processing.

Professional Experience.

- May 2013 to till date – Assistant Professor, Dept. of Studies in Computer Science, Karnataka State Open University, Mysore.
- 2011 to 2013 – Lecturer (Temporary), Dept. of Studies in Computer Science, Karnataka State Open University, Mysore.
- 2004-2005- Lecturer (Temporary), University of Mysore. Mysore.

Professional Recognition.

- Served as a Chairman at Department of computer Science @ Karnataka state Open University Mysore since **21-02-2017 to 01-02-2021**.
- Served as a Chairman at (BOS) Board of studies in Computer Science (PG & UG) @ Karnataka state Open University Mysore since **21-02-2019 to 25-12-2022**.
- Member of Board of studies in Science & Technology (PG & UG) @ Bangalore North University. Bangalore.
- Serving as a Chairman of Board of Examination in Computer Science (PG & UG) @ Karnataka state Open University Mysore.

- Served as a coordinator at student grievance cell since 2016 to 2020 @ Karnataka state Open University Mysore.
- Served as a Nodal officer for KSOU Website since 2018 to March 2022 @ Karnataka state Open University Mysore.
- Served as a Special Officer @ KSOU Examination Section @ Karnataka state Open University Mysore.
- Serving as a Nodal officer for statutes and ordinances Government of Karnataka. at Karnataka state Open University Mysore.

Academic / Membership in Professional bodies.

- Have been identified as an Editorial Board Member of IJAIA Journal International Journal of Artificial Intelligence & Applications (IJAIA) (airccse.org)
- Life member of Indian Science congress (ISCA). (M No: L-25208)

Areas of interest.

- Academic interest: Analysis and Design of Algorithms, Data structures, Data Base Management Systems, Software Engineering, Visual technologies, Artificial intelligence, Image Processing. Software Testing. Image Processing and pattern Recognition

Research Interest.

- Image Processing and pattern Recognition, Text Recognition, object Classification

Workshops/ Symposiums / Conferences /Orientation and Refresher courses attended.

- One-day National Conference on "**Information Literacy and Higher Education in Digital Environment**" held on March 30th 2011 at KSOU, Mysore.
- Two days' Workshop on "**Development of Self Learning Material**" on June 2nd and 3rd 2011 at KSOU, Mysore.
- Three days International Conference on "**Open and Distance Learning in Global Environment- Issues and Challenges**" from September 21-23rd 2011 at KSOU, Mysore.
- 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.

- One-day National Level workshop on **"Modern Trends in research Methodology"** Organized by the SBRR Mahajana college Mysore.
- 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
- Science and technology for **Education and Healthcare** organized by JSS College and KSTA & JSS 21-2-14 to 22-2-14. Ooty Road Mysore. Karnataka, 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 Workshop on **"Technology in Higher Education"** Organized by University of Mysore, Mysore in association with Karnataka Jnana Aayoga (Karnataka Knowledge Commission), Govt. of Karnataka. Held on February 7th 2015 at Senate Bhavan, Manasagangothri, University of Mysore, and Mysore. Karnataka, India.
- One-day National Conference **"Accelerating Gross enrollment ratio in education-issues and challenges"** at KSOU 14th May 2015.
- 103rd **Indian science congress** held at university of Mysore, Manasagangothri, 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
- One week TEQIP Sponsored workshop on **"Digital Image Processing Basics to Recent Trends"** on 13th-17th June 2016 at Sri Jayachamarajendra College of Engineering, Mysore. Karnataka, India.
- 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 of Computer 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 in the ninth **Refresher Course in Computer Science** from 25-08-2021 to 07-09-2021 at UGC Academic Staff College University of 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 one-day national webinar on **"Cloud Computing and Computer Graphics"** organized by the department of Information technology, Karnataka state open University, Mysore on 26-03-2022.
- 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.
- participated in the UGC Sponsored **One Week short term Course** on (**Theme: Information Communication technology” (online)**) organized by the UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysuru on 04-01-2023 to 10-01-2023.

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”** one units and published by Registrar KSOU, Mysore.”2015.
5. MSc Computer Science **“Advanced Data structure and Algorithms”** two units written and two units edited and published by Registrar KSOU, Mysore.

- 2022.
6. MSc Computer Science "**Mobile App Development**" two units written and two units edited and published by Registrar KSOU, Mysore. 2022.
 7. BSc Computer Science "**Basic concepts of Computer & C programming language**" four units written and four units edited and published by Registrar KSOU, Mysore. 2022.
 8. BCA Computer Science "**Fundamentals of Computers and programming in c**" four units written and four units edited and published by Registrar KSOU, Mysore. 2022.
 9. MSc Computer Science II Semester "**Relational Database Management System**" two units written and two units edited and published by Registrar KSOU, Mysore.
 10. MSc Computer Science II Semester "**E-Commerce**" two units written and two units edited and published by Registrar KSOU, Mysore.

PAPERS PUBLISHED:

1. **K-means Clustering for Document Analysis in Indian Bilingual Documents**, International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 5, issue 12, pp. 639-643, December 2015.
2. **an approach for script identification in printed trilingual documents using textural features**, International Journal of Artificial Intelligence and Applications (IJAIA), Vol. 7, No. 5, pp. 31-49, September 2016.
3. **K-D Indexing in Printed Trilingual Documents**, International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 7, issue 1, pp. 165-172, December 2017.
4. **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.
5. **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,
6. **"A Distributed KD-Tree and Region Merging in Object Retrieval"**, Bulletin monumental.com, Volume 22: Issue 11, pp 14-27 – 2021,
7. **"Texture features and KNN classifiers for person identification using multimodal biometrics"** Gongcheng Kexue Yu Jishu/Advanced Engineering Science ISSN: 2096-3246 Volume 54, Issue 02, November, 2022
8. **"Deep Learning in Animal Classification System"** Bulletin monumental.com, Volume 24: Issue 4, pp 37-51 – April-2023,

Patents:

1. Title of Invention: Interactive multimedia performance assessment system
2. Title of the invention: waste management using IOT and artificial intelligence