

Nandini.H.M

Assistant Professor

Department of Studies & Research in Information Technology

Karnataka State Open University, Mysuru-570 006

nandiniksou@gmail.com, nandinihm.ksou@ka.gov.in

8123745149

Educational Details:

Professional:

Ph.D: Pursuing doctoral degree, Dept. of Computer Science, Maharaja Research Foundation affiliated to University of Mysore, Manasagangotri, Mysuru.

M.Sc.: Master of Science in Information Technology from Amrita Vishwa Vidyapeetham University.

Additional:

K-SET: Qualified in Computer Science and Applications of Karnataka State Eligibility Test 2015 Examination accredited by UGC.

Professional Experience:

- ❖ May 2013 onwards – Assistant Professor, Department of Information Technology, Karnataka State Open University, Mysuru
- ❖ January 2011 to May 2013 – Guest Lecturer, Department of Information Technology, Karnataka State Open University, Mysuru.
- ❖ June 2009 to January 2011 – Lecturer, Department of Computer Science, Mahaveer Vidya Mandir Composite PU College, Mysuru.

Areas of interest:

❖ ***Academic interest:***

Data structures and Algorithms, Data Base Management Systems, Computer Networks, Web Technologies, programming concepts using C, Image Processing, python.

❖ ***Research interest:***

Image and Video Processing, Pattern Recognition, Computer Vision, Machine Learning.

Professional Recognition:

- ❖ Serving as an Assistant Professor at the Department of Studies and Research in Information Technology, KSOU, Mysuru.
- ❖ Serving as a Member of the Board of Studies and Board of Examiners in Information Technology/Science (PG/UG/Diploma), KSOU, Mysuru.
- ❖ Guiding several M.Sc. Information Technology/Science project works.

Academic/Membership in Professional Bodies:

- ❖ Chairman of Board of Examiners in Information Science (PG) 2019-20, KSOU, Mysuru.
- ❖ Member of Board of Studies in Information Technology (PG /Diploma courses) from 2014 to till date, KSOU, Mysuru.
- ❖ KSOU Nominee for Board of Studies in M.Tech Computer Science Engineering (2015-18), Vishwadeepthi College of Universal Education, Chittor.
- ❖ Member of Board of Studies in PG Diploma in Computer Teachers Training Course, Certified Computer Professional and Bachelor in Software Engineering and Systems (2015), Adithya Institute of Management and Information Technology, Mysuru.
- ❖ Member of Board of Studies in Online IT programmes (2014-15), KSOU, Mysuru.

Online Certification Course:

- ❖ Successfully completed the course “Python for Data Sciences”, Faculty Development Programme (NPTEL-AICTE online course) funded by the ministry of HRD, Government of India. August-September 2019.

Articles published in journals:

- ❖ Shot based keyframe extraction using edge-LBP approach. Journal of King Saud University-Computer and Information Sciences. 2020 Nov 5. <https://doi.org/10.1016/j.jksuci.2020.10.031>.
- ❖ 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.
- ❖ 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.

Papers Presented in Conferences:

- ❖ Keyframe Extraction using Sobel Fuzzified Weighted approach. In 20th International Conference on Intelligent System Design and Applications (ISDA 2020), Springer.
- ❖ Abrupt Shot Change Detection using Midhinge Local Binary Pattern. In *2020 IEEE-HYDCON* (pp. 1-5). IEEE.

Attended the following FDP/Short Term Course:

- ❖ Seven days Faculty Development Program on “Research Trends in Physical Sciences” organized by NIE First Grade College, Mysore from 15-01-2021 to 22-01-2021
- ❖ Five Day Faculty Development Programme on "Recent Trends and Challenges in Computer Science" organized by Vidyavardhaka College of Engineering, Mysore from 13th July to 17th July 2020.
- ❖ Five days Virtual Faculty Development “Program on Natural Language Processing” (NLP) organized by Reva University, Bangalore from 30th June to 4th July 2020.
- ❖ Five days Online Faculty Development Program on “Artificial Intelligence and Data Science” organized by Oriental Institute of Science and Technology, Bhopal from 10th June to 14th June 2020.
- ❖ Five days Virtual Faculty Development Program on “Neural Networks and Deep Learning using Python” organized by Reva University, Bangalore from 1st June to 5th June 2020.
- ❖ Three days Faculty Development Program on Network Simulator-2 organized by Department of Computer Science and Engineering, Vidyavardhaka College of Engineering, Mysuru-02 from 17th August to 19th August 2017.
- ❖ Five days Faculty Development Programme on “Computational Linear Algebra” organized by Sri Jayachamarajendra College of Engineering, Mysuru-06 from 7th December to 11th December 2016.
- ❖ Short Term Course on Radio Program Production as a Method in Pedagogy from 1st July to 6th July 2020 at Karnataka State Open University, Mysore.
