



**Dr. K. Mahesh
Professor**

Contact

Address : Department of Computer Applications
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Academic Qualifications: M.C.A., M.Phil., Ph.D.

Teaching Experience: 25 Years

Research Experience: 09 Years

Additional Responsibilities

1. NSS Programme Officer
2. Cultural Club Coordinator
3. NAAC – Department Coordinator
4. Class Advisor for M.Phil and Ph.D students
5. Board of Studies member for the design of curriculum for M.C.A programme

Areas of Research

Specialization(s): Video Segmentation, Video Processing, Image Processing

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	02
	M.Phil.	28	04
Project	PG	180	08

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
45	09	03	23	03

Cumulative Impact Factor (as per JCR) : 2.9

Total Citations : 1-2

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	NTRO, New Delhi	July 2007	Aug 2012	Collaborative Directed Basic Research in Smart and Secure Environment	100

Others

1. Chaired a Paper presentation session in the National Conference on Mining, Internetworking and Data Security – MINDS 2014, conducted by the Department of Computer Science and Engineering, Alagappa University, Karaikudi, March 27-28, 2014.
2. Chaired a Paper presentation session in the National conference on Recent Advancements in Software Development (NCRASD-2015) organized by Skill Development centre, Alagappa University, Karaikudi under the B.Voc grant sanctioned by UGC. New Delhi, March 23, 2015.

3. Chaired a Paper presentation session in the National conference on Emerging Trends in Software Development (NCETSD-2016), Alagappa Institute of Skill Development, Alagappa University, Karaikudi, March 24th, 2016.
4. Chaired a Paper presentation session in the International Conference on Innovations in Computer Science and Technology (ICICST 2016) Department of Computer Science and Engineering, Alagappa University, Karaikudi, April 4th - 5th, 2016.

Distinctive Achievements / Awards

1. Received Certificate of Commemoration for completing 25 years of unblemished service in Alagappa University

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events attended	: 25
Number of Seminars organized	: 02
Number of Events organized	: 01
Number of Invited / Special Lectures delivered	: 04
Number of Books / Chapters / Monographs / Manuals written	: 05

Events Participated

Conferences / Seminars / Workshops:

1. National Seminar Organized by Dept. of. Computer Science
2. International Workshops Organized by Dept. of. Computer Science

Membership in

Professional Bodies

1. Member in International Association of Engineers (IAENG)
2. Member, Board of studies, M.Sc(IT), Alagappa University affiliated colleges
3. Member, Board of studies, MCA and M.Phil, Alagappa University.
4. Member, Board of studies, B.Com(CA), Alagappa University affiliated colleges

Editorial Board

1. Reviewer, ICTACT Journal on Image and Video Processing (IJIVP) Publisher: ICT Academy of Tamil Nadu .
2. Reviewer, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Publisher: ACE Publishers.

Academic Bodies (such as Board of Studies etc.,)

1. Member in International Association of Engineers (IAENG)
2. Member, Board of studies, M.Sc(IT), Alagappa University affiliated colleges
3. Member, Board of studies, MCA and M.Phil, Alagappa University colleges

Resource persons in various capacities

1. Presented Key Note Address in the National Seminar on Current Trends in Computing Technologies organized by the PG Department of Computer Science, Government Arts College for women, Ramanathapuram, Feb 28, 2015.
2. Presented Key Note Address in the Intercollegiate Meet (TECHNO'15) organized by the PG Department of Computer Science, Idhaya College For Women, Sarugani, Sep 9th, 2015.

Others

1. No. of PhD Thesis evaluated : 02
2. No. of PhD Public Viva Voce Examination conducted : 01

Recent Publications

1. K.Mahesh, S.Narmatha, "Independent Component Analysis (ICA) based Face Recognition System", International Journal for Advance Research in Engineering and Technology (IJARET), Vol.3, Issue VII, July 2015, pp.4-8, ISSN: 2320-6802, Impact Factor:8.504
2. K.Mahesh, N.Priyanka, "A New Hybrid Video Segmentation Approach to detect moving objects", International Journal for Advance Research in Engineering and Technology (IJARET), Vol.3, Issue VII, July 2015, pp.9-13, ISSN: 2320-6802. Impact Factor:8.504
3. N.Suganya, Dr.K.Mahesh, "An Effective Picture covert allocation scheme with Autostereogram", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.42-46, ISSN : 2394-3785. Impact Factor:4.753
4. PL.D.Lavanya, Dr.K.Mahesh, "An Efficient Hybrid approach for moving object detection in Video Surveillance system ", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.73-76, ISSN : 2394-3785. Impact Factor:4.753
5. U.Thavamani, Dr.K.Mahesh, "A Robust Video Compression method based on LZW encoding in 2D-DCT Domain ", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.91-95, ISSN : 2394-3785. Impact Factor:4.753
6. D.Elakkiya, Dr.K.Mahesh, "A Robust Video Steganography method based on Integer Haar Wavelet Transform and Spread Spectrum technique ", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.113-116, ISSN : 2394-3785. Impact Factor:4.753
7. R.Ranjana, Dr.K.Mahesh, "Video Compression using HEVC Standard tool", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.247-250, ISSN : 2394-3785. Impact Factor:4.753
8. K.Rajalakshmi, Dr.K.Mahesh, "A Survey on Video Compression and Video Embedding Methods", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.469-473, ISSN : 2394-3785. Impact Factor:4.753

9. D.Mohanapriya, Dr.K.Mahesh, "A Survey on Video Object Tracking System", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.474-479, ISSN : 2394-3785. Impact Factor:4.753
10. K.Rajalakshmi, Dr.K.Mahesh, "A Review on Video Compression and Embedding Techniques", International Journal of Computer Applications (IJCA), Vol.141, No.12, May 2016, pp.32-36, ISSN : 0975-8887. Impact Factor:3.152
11. D.Mohanapriya, Dr.K.Mahesh, "Video Tracking System by suppressing shadow and Feature Extraction- A Review", International Journal of Computer Engineering and Applications(IJCEA), Vol.10, No 6 ,June , 2016, ISSN : 2321-3469 Impact Factor:3.715
12. D.Mohanapriya, Dr.K.Mahesh,"Robust Video Tracking System with shadow suppression based on Feature Extraction",Australian Journal of Basic and Applied Sciences, Vol.10, No.11 (July), 2016, ISSN :1991-8178, EISSN: 2309-8414. Impact Factor:0.786
13. U.Thavamani, Dr.K.Mahesh," Hybrid Video Compression Using 2D DCT and Area Encoding Techniques", International Journal Of Research & Development Organization (IJRDO)--Journal Of Computer Science and Engineering, Vol 2,Issue 7,July 2016. ISSN: 2456-1843. Impact Factor:4.25
14. PL.D.Lavanya, Dr.K.Mahesh," Hybrid Approach for Moving Object Detection in Video Surveillance System", International Journal Of Research & Development Organization (IJRDO)-Journal Of Computer Science and Engineering, Vol 2, Issue 7, Page No: 34-36, July 2016. ISSN:2456-1843 Impact Factor:4.25
15. D.Elakkiya, Dr.K.Mahesh," Video Steganography Method Based on Haar DWT and Spread Spectrum Technique", International Journal Of Research & Development Organization (IJRDO)-Journal Of Computer Science and Engineering, Vol 2, Issue 7, Page No: 34-36, July 2016. ISSN:2456-1843 Impact Factor:4.25
16. N.Suganya, Dr.K.Mahesh," Creative Image Covert Sharing Method with Auto stereogram for Image Security", International Journal Of Computer Science Trends and Technology(IJCST), Vol 4, Issue 4, , July-Aug 2016. ISSN:2347-8578 Impact Factor:4.378
17. K.Rajalakshmi, Dr.K.Mahesh, "Video Embedding with Compression Based on Patchwise Code Formation", Australian Journal of Basic and Applied Sciences, Vol.10, No.13 (August), 2016, ISSN : 1991-8178, EISSN: 2309-8414. Impact Factor: 0.786
18. R.Ranjana, Dr.K.Mahesh," Video Compression Using Compact Tool (HEVC)", International Journal Of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol 6, Issue 7, August 2016. Impact Factor:2.5