Dr.A.Shenbagavalli Ph.D.,

Professor & Head

FUNDED PROJECT / CONSULTANCY WORK UNDERTAKEN				
S.NO.	NAME OF THE PROJECT AND FUNDING ORGANIZATION	DURATION WITH YEARS	AMOUNT SANCTIONED	RESPONSIBILITY
1	Artificial Intelligence based Computer Aided Detection for Medical Application – IGCAR	2012-2015	Rs.15,83,040	Principal Investigator
2	Modernization and Up gradation of IC and Microprocessor Lab – AICTE	2013-2014	Rs.12,00,000	Principal Investigator
3	Study on Non-co-operative Target Classification Algorithm using statistical techniques- Electronics and Radar Development Establishment, Defense Research and Development Organization, Bengaluru.	2017-2019	Rs. 9,85,000/-	Principal Investigator

LIST OF INTERNATIONAL JOURNAL PUBLICATIONS	
1	**A.Shenbagavalli,** L.Ganesan, "Adaptive algorithm to reduce computational complexity in Video coders", International Journal of Computer Science and Network Security, Vol. 8, No.7, pp 292-295, 2008.
2	**A.Shenbagavalli,** L.Ganesan, K.Ramar, "Motion estimation for video compression", International Journal of Intelligent Information processing, 2009.
3	**A.Shenbagavalli,** L.Ganesan, N.Sriram, "Patient video compression for telemedicine applications using SSI prediction approach", International Journal of Bio Medical Signal Processing, Vol.1 No.1, pp.35-38 2010.

4	**A.Shenbagavalli, L.Ganesan, K.Ramar,** "Video compression using interpolation and extrapolation", AMSE, France, Vol.1 pp.1-5, 2010.
5	B.Narani, **A.Shenbagavalli**, "Image Registration by Feature based Information Fusion", International Journal of Computer Applications, Vol.1, no.2, pp 12-15, 2012 **(Impact Factor 0.814).**
6	S.Rajagopal, **A. Shenbagavalli**, "A Survey of Video Encryption Algorithms Implemented In Various Stages of Compression", International Journal of Engineering Research & Technology. Vol. 2, Issue 2, pp1-12 Feb – 2013.
7	S.Rajagopal, **A.Shenbagavalli**, "Partial Video Encryption Using Random Permutation Based on Modification on DCT Based Transformation", International Journal of Engineering Research & Technology, Vol.2, Issue 2, pp1-12, 2013. **(Impact factor 0.998)**
8	S.Rajagopal, **A. Shenbagavalli**, "Design of On The Fly Encryption Algorithm in Video Compression Standard", International Journal of Communication and Computer Technologies. Vol. 2, Issue 7, April 2014
9	S.Rajagopal, **A. Shenbagavalli**, "Design of On The Fly Encryption Algorithm in Video Compression Standard", International Journal of Communication and Computer Technologies. Vol. 2, Issue 7, April 2014
10	S.Rajagopal**, A. Shenbagavalli**, "Design of On The Fly Encryption Algorithm in Video Compression Standard", International Journal of Communication and Computer Technologies. Vol. 2, Issue 7, April 2014
11	D. Kesavaraja, **A. Shenbagavalli**, "Cloud Opentsack Map Reduce Fastvideo Transcoding as a Service with Qos", Middle-East Journal of Scientific Research, DOI: 10.5829/ idosi.mejsr.2015. 23.09.22427, 2015.
12	D. Kesavaraja, **A. Shenbagavalli**, "Implementation of Hadoop Video Transcoding and Open stack SWIFT Video Streaming as a Service", Australian Journal of Basic and Applied Sciences, Vol.9(16), pp 449-456,2015.
13	D. Kesvaraja, **A. Shenbagavalli**, "Scalable Cloud video broadcasting as a service with enhanced quality using open stack SWIFT", International Journal of Applied Engineering Research, Vol.10, No. 20, 2015
14	D. Kesvaraja, **A. Shenbagavalli**, "Scalable video transcoding with Hadoop map reduce in open stack Juno platform", I-manager's Journal on cloud computing, Vol. 2, No. 2 ,pp.8-14,2015.
15	D. Kesvaraja, **A. Shenbagavalli**, "Cloud video server (CVS): secure video storage on cloud using heterogeneous slaves", I-manager's Journal on cloud computing, Vol.2, No. 1, pp. 32-41, 2015.
16	S.Rajagopal, **A. Shenbagavalli**, "Design of Real Time Video Encryption System Based on Adaptive Elastic Motion Model in H.264", Journal of Computational and theoretical Nanoscience, Vol.13,pp 1-15, 2016.
17	S.D.Jayavathi, **A. Shenbagavalli** ," FPGA Implementation of MQ coder in JPEG 2000 Standard – A Review", International Journal of Innovation and Scientific Research, Vol.28, No.1, Dec 2016.

LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS

1	D.Kesavaraja, **A.Shenbagavalli**, "Cloud video as a service with storage steaming security and quality of service approaches and directions", International Conference on Circuit ,Power and Computing Technologies (ICCPCT-2013).
2	**A.Shenbagavalli**, Ms.Josephine Selle Jayanathan, Ms.M.Jeyashree, Mr.B.Venkatraman, "Non Destructive Diagnostic Tool for Early detection of Breast Cancer", Asia Pacific International Conference on Non Destructive Testing, 2013

3	Vairaprakash, **A.Shenbagavalli**, "Certain investigation on image compression technique using wavelet transform for telemedicine application, International Conference on Current Trends in Engineering and Technology (ICCTET), 2013.
4	S.Maythina Rani, **A.Shenbagavalli**, "Evaluation of Diversity Gain in Digital Audio Broadcasting" International conference on Innovations in Information Embedded and Communication Systems, 2014.
5	S.Nandhini, **A.Shenbagavalli**, "Voiced/Unvoiced Detection using Short term Processing" International conference on Innovations in Information Embedded and Communication Systems, 2014.
6	**A.Shenbagavalli**, "Shedding Shyness" International Conference onWomen's Worlds Congress, Hyderabad. 2014.
7	B.Radhika, S.D.Jayavathi, A.Shenbagavalli, "Sleep Apnea event detection and monitoring using FPGA" International Conference on Electrical Electronics and Computer Engineering, 2015.
8	S.Prema, **A.Shenbagavalli**, "Image enhancement based on Clustering" IEEE International conference on innovations in information. Embedded and communication systems, 2015.

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED

1	ICMR Sponsored Seminar on "Research Issues in Thermography"
2	AICTE Sponsored Faculty Development Program on "Advanced VLSI Technology"
3	National level seminar on FPGA for DSP Applications
4.	Workshop on "PCB design".
5.	National level seminar on FPGA for DSP Applications
6.	Faculty Development Training Program (FDTP) on VLSI Design
7.	Applications of Thermal Imaging" and Free Eye & Dental Medical Camp
8.	Faculty Development Training Program (FDTP) On "EC6502-Principles of DSP
9.	Workshop on "Research Trends and Applications of Biomedical Imaging"

MEMBERSHIP DETAILS

S.NO.	Membership
1	Life member of ISTE (LM12155)
2	Member IETE

3	Member IEEE
4	Member IE(I)
5	Member BME