

PROFILE OF DR. P.SHANMUGAVADIVU



- I. Designation : Professor & Head
- II. Qualification : M.C.A., MBA, M.Sc. (Applied Psychology), Ph.D.,
- III. Additional Qualification : UGC - NET (December 1996),
TN - SLET (March 1997)
- IV. Experience : Teaching: 30 Years; Research: 20 Years
- V. Specialization : **Medical Image Analysis; Object Recognition;**
Parallel Computing; Healthcare Data Analytics;
Software Engineering; Content Based Image Retrieval;
- VI. Email id : psvadivu67@gmail.com
psvadivu@yahoo.com
Mobile: 9443736780
- VII. Research Guidance :

Degree	Guided	Guiding
M.Phil.	21	--
Ph.D.	9	8

- VIII. Publications :

Sl. No.	Category	Total	For the period 2010 - 2020
1.	Books	2	2
2.	Chapters in Books	16	16
3.	No. of Papers in Edited Volume / Proceedings	83	68
4.	No. of Publications in International and National Journal	50	48

- IX. Select Publications :

Sl. No	Title of the Article	Name of the Journal	ISBN/ISSN	Vol. (No.)	Pages	Year
1	Partially Occluded Face Recognition using Dynamic Time Wrapping	International Journal of Engineering & Technology	2227-524x	7 (2.22)	31 – 34	2018
2	Performance Improvement of Medical Image Transfer via Parallel Network Associations	International Journal of Advance Research in Science and Engineering	2319-8354	7(1)	365 - 374	2018
3	Fractal Dimension – Bound Spatio- temporal analysis of digital mammograms	The European Physical Journal Special Topics	1951-6355	225(1)	137-146	2016
4	FOSIR: Fuzzy-Object-Shape for Image Retrieval applications	Neurocomputing	0925-2312	171(1)	719-735	2016
5	Adaptive iterated Function Systems Filter for images highly corrupted with Fixed-Value Impulse Noise	The European Physical Journal Special topics	1951-6355	223(8)	1623-1634	2014
6	Thresholded and Optimized Histogram Equalization for Contrast Enhancement of Images	Journal of Computers & Electrical Engineering	0045-7906	40(3)	757-768	2013

X. Sponsored Projects :

Projects handled so far		Projects handled during 2010-2020	
Nos.	Financial Outlay	Nos.	Financial Outlay
6	Rs.2.39 Cr	7	Rs.2.39 Cr.

XI. Funded Research Projects (2010-18):

S. No.	Title of the Project	Funding Agency	Duration	Amount in lakhs
1	Development of Adaptive Noise Filters for Restoration of Digital Images Corrupted by Impulse and Gaussian Noise, February 2010.	UGC-MRP	2010-2013	Rs.8.63
2	Indo-US 21st Century Knowledge Initiative, Augmenting the Curriculum of Higher Educational Institutions with an On-Line Integrated Cognitive-Based Employability Skills Assessment System using Signal and Video Analytics, August 2015.	UGC-IC	2015-2018	Rs.125.00
3	Computer Assisted Diagnosis for the Detection and Classification of Microcalcifications in Digital Mammograms using Fractal Techniques, August 2015.	ICMR-DHR	2015-2018	Rs.5.99
4	Automated Diagnostic Tool for Segmentation and Classification of Renal Calculi in Ultrasound Images.	DST-SERB	2016-2018	Rs.11.00
5	Development of Assessment Rubrics Framework for MOOCs Using Machine Learning	MRP, PMMMNMMTT	2019 - 2020	Rs. 3,20,250

XII. Funded Research Projects for the Department (2010 – 2018):

S. No.	Title of the Project	Funding Agency	Duration	Amount in lakhs
1	UGC-Special Assistance Programme (SAP- DRS-I), Department Level Project.	UGC SAP	2018 - 2023	Rs. 41.00
2	DST – FIST, Department Level Project.	DST-FIST	2015 - 2020	Rs. 45.00

- XIII. Seminars/Conferences/Workshops Organized : 04
 XIV. Seminars/Conferences/Workshops Attended : 21
 XV. Awards and Honours : 03
 XVI. Invited talks in National./ International Events : 180
 XVII. Visits Abroad : Malaysia, USA, China, Singapore
 XVIII. Additional Responsibilities (2010-20):

- Dean, School of Computer Science & Technologies (Since October 2020)
- Head of the Department (2014 - 2017) & (Since July 2020)
- Coordinator, Universal Human Values, GRI (Since January 2021)
- Director, IQAC, GRI (Since November 2017)
- Project Coordinator (DST-FIST and UGC-SAP (DRS - I))
- Local Coordinator-GIAN, GRI (Since July 2016)
- Member, Disciplinary Committee, GRI (Since 2000)
