FACULTY PROFILE

Name of the Staff	**:**	**Dr. ARAVALLUVAN T**
Official Address	**:**	Associate Professor
		ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE,
		VALLAL ARUMUGAM PILLAI ROAD, TIRUPPATTUR – 630 211.
Mobile	**:**	9442028601
E-Mail Address	**:**	aravalluvant@gmail.com

Personal Details:

Age	**:**	59
Date of Birth	**:**	25/05/1965
Sex & Marital Status	**:**	Male & Married
Citizenship	**:**	Indian
Department	**:**	COMPUTER SCIENCE
Date of Joining	**:**	11/11/1988

Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Computer Science	Awarded	12/2009	Madurai Kamaraj University
M.Phil	Computer Science	First	01/2001	Alagappa University
Diploma	Post B.Sc. Diploma in Computer Science and Applications	First	05/1988	Annamalai University
M.Sc	Physics	First	09/1987	Madurai Kamaraj University
B.Sc	Physics	First	04/1985	Madurai Kamaraj University

Professional Experience:

Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Associate Professor	APSA COLLEGE	11/11/1988	14/12/2023	Teaching

Area of specialization:

S.No	Title
1	Medical Image Reconstruction
2	Image Processing
3	Microprocessor and Assmbly Language Programming

Course Taught:

S.No	Course Title	U.G. or P.G
1	B.Sc., Computer Science	U.G

Development or Training Activity:

Attended:

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
1	Refresher Course in Computer Applications	25/07/1994	19/08/1994	ASC, JNU, New Delhi	Refresher Course	4 week
2	Orientatation Course	16/11/1995	13/12/1995	ASC, Pandicherry University	Orientation Programme	4- weeks
3	Refresher Course in Computer Applications	26/10/1999	15/11/1999	ASC, University of Calicut	Refresher Course	3- weeks
4	High Performance Computing	15/05/2002	04/06/2002	ASC, Madurai Kamaraj University	Refresher Course	3- weeks

Awards:

S.No	Title
1	NCI, NIH, USA - Doctoral Visiting Fellow - 2 Years (April 2003-April 2005)

Research Achievements:

International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	In?uence of Proton T1 on Oxymetry Using Overhauser Enhanced Magnetic Resonance Imaging	, Magn. Reson. Med., Volume 54, Pages 213-217, 2005.	54 &213-217	06/2005	Published
2	Electron Paramagnetic Resonance Imaging of Tumor Hypoxia: Enhanced Spatial and Temporal Resolution for In Vivo pO2 De¬termination	Magn. Reson. Med	55& 1157-1163	04/2006	Published

International Conference Publications:

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Eval¬uation of Constraints-based Iterative FBP Algorithm for Reconstruction of 3-Dimentional Spectral-Spatial EMR Tomograms	International Conference on Cognition and Recognition	PES college of Eng., Mandya, Karnataka, India	04/2008

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
2	In Vivo Weighted Oximetry using Radiofrequency Time-Domain Electron paramagnetic Resonance Imaging	International EPR Symposium Preliminary Program	Hyaat Regency Denver, Denver, Colorado, USA.	08/2004
3	Quantitative In-Vivo Oximetry Using Radiofrequency Time-domain Single Point EPR Imaging	International Workshop on In Vivo EPR	Dartmouth Medical School, Hanover, New Hampshire, USA	08/2004
4	Regulation of Plasma and Tissue Concentration of a Spin Probe, Oxo63, for pO2 Mapping in Mice	ISMRM, Twelth Scienti?c Meeting and Exhibition	Kyoto International Conference Hall, Kyoto, Japan	05/2004
5	Pharmacoki¬netics of a Triarylmethyl Spin Probe for Imaging pO2 in Mice, Center for Cancer Research	4th ANNUAL Fellows and Young Investigators RETREAT	Marriott Hotel, Williamsburg, Virginia, USA.	03/2004
6	In Vivo Electron Paramagnetic Resonance Oximetry: Com¬parison of Continuous Wave and Pulsed Techniques	Free Radical Biology and Medicine	SFRBM	06/2003
7	Evaluation of Reconstruction Algorithms for Dynamic EPR Imaging from Sparse Angle Projections	The 10th International Workshop on Bio-Medical ESR Spectroscopy and Imaging	KYUSHU	04/2003

M.Phil. Guidance:

S.No	Research Scholar Name	Research Area	Year	Mode of Research
1	S. Geetha (	Cloud computing	2006	Part Time
2	B. Vidya Rani	Cryptography	2006	Part Time
3	S. Manonmani	Image Restoration	2008	Part Time
4	V. Ananthakrishnan	Hand written Character Recoganition	2008	Part Time
5	D. Chiththarthan	Image Segmentation	2008	Part Time
6	P. Swaminathan	Interpolation methods in Image Reconstruction	2008	Part Time
7	S. Selvamanimaran	Optimization of filters in FBP	2008	Part Time
8	M. Arun Prasath Samson	Segmentation methods Evaluation	2008	Part Time

M.Phil. Guidance:

Project Guidance:

Degree	Number of Projects
UG Degree	100

Other Contribution work to the Institute/Organization:

S.No	Name	Role	Period From	Period To	Nature of Duties
1	NPTEL	Department Mentor	06/18/2018	18/04/2019	Encourage Student Participation
2	Carreer Guidance and Entry in Service Committee	Member	06/18/2018	18/04/2019	Employment Oppertunities
3	Discipline Committee	Member	06/18/2018	18/04/2019	Maintaining Student's Discipline
4	Library Advisory Committee	Convenor	06/18/2018	18/04/2019	Improve Library facilities
5	Library and Network Resource centre	Convenor	06/18/2019	18/04/2020	On-line library facilities
6	Time table Committee	Convenor	06/16/2019	18/04/2020	College Common Timetable
7	Students Admission Committee	Member	06/18/2020	18/04/2021	Admission Work
8	Discipline Committee	Member	06/18/2020	18/06/2021	Students Discipline
9	Consortium for Academic and Research Ethis	Co-Convenor	06/18/2021	18/04/0022	Reseach Ethis
10	Consortium for Academic and Research Ethis	Co-Convenor	06/18/0022	18/06/0023	Reseach Ethis
11	Consortium for Academic and Research Ethis	Convenor	06/18/2023	18/11/0023	Reseach Ethis