



**A.V.V.M. SRI PUSHPAM COLLEGE  
(AUTONOMOUS),  
POONDI – 613503, THANJAVUR – DT, INDIA.**



1. Name of the Staff : **Dr. R. SIVAKUMAR**
2. Designation : **PRINCIPAL**
3. Academic Qualification : **M.Sc., M.Phil., Ph.D.,**

Course	UG	PG	M.Phil.	Ph.D.
Year	1984	1987	1996	2005
College & University	A.V.V.M Sri Pushpam College, Madras University	A.V.V.M Sri Pushpam College, Bharathidasan University	Regional Engineering College, Trichy. Bharathidasan University	Srimathi Indira Gandhi College, Trichy. Bharathidasan University

4. Date of Birth & Age : 18-06-1964 & 57 Years

5. Date of Appointment	:	Self – Finance	:	D	D	M	M	Y	Y	Y	Y
	:	FIP	:	1	7	0	9	1	9	8	7
	:	Aided	:	2	1	0	1	1	9	9	1

6. Total Service : 35 Years

7. Teaching Experience in completed years : UG 35 PG 35 M.Phil. 16

8. Residential Address : 14, Annai Terasa Nagar, Near RR Nagar, Pudukkottai Road, Thanjavur- 613503, Tamilnadu, India.

Mobile Number : 9443662536

E-Mail Address : hcirkumar@gmail.com

9. No. of Orientation / Refresher Courses and Training Programmes attended : 6 Annexure – I
10. Whether FDP availed, if yes, furnish details : Nil Annexure – II
11. No. of Seminars attended : 6 Annexure – III
12. No. of Papers Presented : 30 Annexure – IV
13. No. of Papers Published : 65 Annexure – V
14. No. of Books Published : 3 Annexure – VI
15. No. of Guest Lectures delivered in other institutions : 44 Annexure – VII
16. No. of Research Projects undertaken : Minor 1 Major 1 Others (Specify) 1 MNC Annexure – VIII
17. No. of Seminars organised : 8 Annexure – IX
18. No. of. M.Phil. Scholars Guided : Completed 56 Ongoing (26) Annexure – X
19. No. of. Ph.D. Scholars Guided : Awarded 15 Ongoing 02 Annexure – XI
20. Participation in Academic Research Bodies in other institutions : 17 Annexure – XII
21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : 7 Annexure – XIII
22. Service rendered in Professional bodies outside the College : 4 Annexure – XIV
23. Honors / Awards received : 3 Annexure – XV

  
**Signature of the Staff**

**ANNEXURE – I****DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:**

<b>SL. NO.</b>	<b>COURSE</b>	<b>UNIVERSITY</b>	<b>PERIOD</b>	<b>TITLE</b>
1.	Orientation	Pondicherry	03/06/93 to 30/06/93	-
2.	Refresher	Bharathiar	29/01/96 to 18/02/96	OOP & RDBMS
3.	Training	Loyola Academy, Secendrabad	21/11/96 to 23/11/96	UGC QB Workshop – 1
4.	Training	Loyola College, Chennai	10/02/99 to 13/02/99	UGC QB Workshop – 2
5.	Refresher	Bharathidasan	09/11/99 to 29/11/99	Recent Trends in IT
6.	Refresher	J.N.U, Delhi	14/08/2000 to 08/09/2000	-

**ANNEXURE – III****SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC ATTENDED**

<b>Sl. No.</b>	<b>Title of the Seminars/Conferences, Symposia, Workshops</b>	<b>Level (State / National / International)</b>	<b>Sponsoring Agency and Name of the Institution</b>	<b>Date</b>
1.	Recent Trends of IT	State	A.V.V.M Sri Pushpam College, Poondi	14.03.2000
2.	Recent Trends of Research in Mathematics and Its Applications	State	A.V.V.M Sri Pushpam College, Poondi	01..2.2004
3.	International Conference on Modelling and Simulation	International	Belarussian State University, Belarus, Minsk	27.04.2004
4.	Placement officers meet	University	Wipro Technology, Bishop Heber College, Trichy	20.07.2012
5.	Research and development and innovative teaching skills in higher education	State	Bharathidasan university	2013
6.	Reform of undergraduate and post graduate curriculum for enhancing employability	State	Bharathidasan university	2014

**ANNEXURE – IV****PAPERS PRESENTED IN SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC**

<b>Sl. No.</b>	<b>Title of the Paper</b>	<b>Level (State / National / International)</b>	<b>Sponsoring Agency and Name of the Institution</b>	<b>Date</b>
1	“A Rough set analysis for Protein – Protein interactions”	National	Indian Institute of Applied Microbiology,	Dec 12-13, 2008.
2	“Simulation of Dialogue Management for Learning Dialogue Strategy Using Learning Automata”	International	International Conference on Intelligent Agents and Multi-Agent Systems, IAMA09, Chennai – India (IEEE xplorer).	Jul 21st - 23,2009,
3	“ An Integrated frame work for recommender system using multi criteria fuzzy linguistic approaches”	International	Intl . Conf. on Computational intelligence GRG School of applied Computer Technology	2010
4	“Learning automata based approach to model dialogue Strategy in spoken dialogue	International	Intl. Conference on NLP, Karagpur	Dec 08–11, 2010.

	system a performance evaluation”			
5	“Reinforcement learning automata approach to optimize dialogue strategy in large state space”	International	Intl. Conf. on Comptl. Intelligence & Comp. Research, T.N College of Engineering, CBE,	Dec 28-29, 2010.
6	“A study on Multicriteria Recommender system using Implicit feedback and Fuzzy linguistic approaches”	International	International Conference on Recent Trends in Information Technology (ICRTIT 2011), MIT, Anna University, Chennai.	3-5 June 2011,
7	“Multi objective Optimization of Classification rules using cultural algorithms”,	International	International Conference on Communication Technology and System Design, Amrita University, Coimbatore.	Dec 7 -9, 2011.
8	Adaptive Learning Approach using Learning Automata for Dialogue Management Optimization	International	Proceedings of the Fifth Indian International conference on Artificial Intelligence, <b>Springer</b> , ISBN: 978-0-9727412-8-6.	Dec 14-16, 2011
9	“The Role of function approximation Technique in the design of scalable Cognitive Architectures with Social Simulation”	International	International Conference on Information, Computing and Telecommunications, Delhi,	2nd Feb 2012.
10	“Analyzing the Performance of Recent Ontology Visualization Tools With A Case of Diabetes Data”	International	International Conference on Computer Science and Informatics (ICCSI),Hyderabad, ISBN:978-93-81693-25-4, pp 86-90.	9th March,2012
11	“Fitted Q in Cognitive Architectures with Social Simulation”	National	National Conference on Future Computing, NCFC – 2012, Pondicherry University, Karaikal Campus,	30th March 2012.
12	“A Study of Advanced Comprehensive Ontology Visualization Tools”	International	<i>International Conference on Computer Science and Engineering (ICCSE-2012)</i> ,Vizag	28th April,2012,
13	“Fuzzy Algorithm for Data Clustering Using Different Distance Measures”	International	Proceedings of the International Conference on Mathematical Modelling and Applied Soft Computing	2012
14	Dominators VS Pure Dominators on the Accuracy of a Classifier with a Multi Objective Cultural Algorithm	International	International Conference on Advances in Computing, Communication and Informatics	2012
15	A Study on Fuzzy and Particle Swarm Optimization Algorithms and their Applications to Clustering Problems	International	IEEE Proceedings of the International Conference on Advanced Communication Control and Computing Technologies ( ICACCCT )	August 2012
16	A Study on Possibilistic and Fuzzy Possibilistic C- means Algorithms for Data Clustering	International	IEEE Proceedings of the International Conference on Emerging Trends in Science Engineering and Technologies ( INCOSSET )	Dec 2012
17	Optimizing Dialogue Strategy in Large-Scale Spoken Dialogue System: A Learning Automaton based approach	International	Proceedings of the Fourth International Conference on Signal and Image Processing, <b>Springer</b> , , ISBN: 978-1-4244-5967-4	Dec 13-15, 2012
18	A Comparative Study of Hard and Fuzzy Data Clustering Algorithms with Cluster Validity Indices	International	Proceedings of ERCICA Conference, Published by <b>Elsevier</b>	August 2013
19	Ontology in Agent Technology	International	International Conference on Advanced Communication System Science and Engineering	2013
20	Rule Discovery with a Multi Objective Cultural Algorithm	International	Proceedings of the Second International Conference on Advances in Computing & Information Technology, Springer. ( ACITY )	2013
21	A Comparative Study of Hard and Fuzzy Data Clustering Algorithms with Cluster Validity Indices	International	Proceeding of the International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA 2013), Elsevier.	August 2013
22	An efficient rule acquisition method using	International	International Conference on	November

	type – 2 fuzzy rough ontology		Contemporary Computing and Informatics (IC3I), <b>IEEE</b> .	2014
23	Achieving Institutional Excellence	National	EDU Leader Conclave Chennai.	3.12.2014
24	Development of Ontology based Middleware for Context Awareness in Ambient Intelligence	International	Proceedings of the 2014 International Conference on Hybrid Intelligent Systems (HIS 2014), <b>IEEE</b> .	December 2014
25	Development of Type 2 Fuzzy Rough Ontology based Middleware for Context Processing in Ambient Smart Environment	International	Advances in Intelligent Systems and Computing, <b>IEEE</b> .	December 2014
26	“Rewriting the rules for make in India Through slow Intelligence system”	International	International Conference on" Evolving International Trade – Rewriting The Rules with Reference to - MAKE IN INDIA "	December 2015
27	Development of Ontologies for Modelling User Behaviour in Ambient Intelligence Environment	International	IEEE - International Conference on Computational Intelligence and Computing Research	December 2015
28	Towards Development of U-conferencing Facility in Learning Management System	International	IEEE - International Conference on Computational Intelligence and Computing Research	December 2015
29.	Integration Of Internet-Of-Things Facilities and Ubiquitous Learning For Still Smarter Learning Environment	International	International Conference on Mathematics & Computer Science - ICMCS 2016	December 2016
30.	IoT infrastructure for Smart Classroom Environment	International	6th International Conference on “Digital India – The Unfolding Opportunities & Challenges”	March 2017

## ANNEXURE – V

### RESEARCH PAPERS PUBLISHED:

Sl.No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
1.	“A rule based inductive inference algorithm for pattern recognition – A case of splice sites in Human DNA sequences”,	The Journal of the Computer Society of India,	32	2002	1 - 9
2.	“Pattern extraction around human DNA splice sites to design a data mine model”	Journal of AMSE, France	47	2004	69-82
3.	“Mining multiple Data sources to select valid rules using weight method – A case study of customer perceived services qualities in a bank”,	The Journal of the Computer Society of India	35, No.4,	Oct-Dec 2005.	pp.30-36,
4.	“Knowledge mining in categorical data – A review”	College Sadhana – Journal for Bloomers of Research	Vol.1, No.2	Feb 2009.	170-177,
5.	“Analysing protein – protein interactions with rough sets”	College Sadhana – Journal for Bloomers of Research	Vol.2, No.1	Aug 2009.	25-28,

6.	"Optimizing dialogue strategy learning Using Learning Automata", ISSN 2070-3821, , <u>(France)</u>	International Journal of Information and Mathematical Sciences ( WASET )	Vol. 5:2,	2009	pp 135-142
7.	"Intelligent agent based artificial immune system for computer security – a review"	<b>Journal of Artificial Intelligence Review, Springer</b>	Vol.32	2009	pp.13-43
8.	"A study on Implicit Feedback in Multicriteria E-Commerce Recommender System".	International Journal of E-Commerce Research(UK Journal)	Vol.11, No.2	2010	pp.140-156
9.	"Fuzzy multicriteria decision-making approach for Collaborative Recommender System"	International Journal of Computer Theory and Engineering,(Singapore Journal).	Vol.2, No.1	2010	pp.57-63
10.	"An Integrated Framework for Recommender System using Multicriteria-Fuzzy Linguistic Approaches",	International journal of Computational Intelligence Research (Spain Journal).	vol. 6, no.4	Jan. 2010	pp769-770
11.	"A Study on Ontology Learning Process Frame Works"	College Sadhana – Journal for Bloomers of Research	Vol.2, No:2	Feb 2010.	120-126
12.	"A Study on Development of Social Intelligence from Soical Informatics"	College Sadhana – Journal for Bloomers of Research	Vol:3 No:1	Aug-10	26-31
13.	"Ant-based Clustering Algorithms: A brief survey"	International Journal of Computer Theory and Engineering (IJCTE), (Singapore Journal).	Vol.2, No.5	Oct.2010	787-796
14.	"Ontology Review",	IJCTE, , (Singapore Journal).	Vol:2	2010	pp. 887-891,
15.	"A Survey of Cognitive Architectures"	College Sadhana – Journal for Bloomers of Research	Vol:3 No:2	Feb 2011	pp. 158-161
16.	"Evolutionary multi objective optimization for rule mining: a review"	<b>Journal of Artificial Intelligence Review, Springer</b>	Vol.36, No.4	March 2011.	pp 205-248
17.	"A study on Collaborative Recommender System using Fuzzy-Multicriteria approaches"	International Journal of Business Information Systems(USA Journal)	Vol.7, No.2	June. 2011	419-439
18.	"Ontology Visualization Protégé Tools –A Review"	International Journal of Advanced Information Technology (IJAIT,)	Vol. 1,No. 4	August 2011.	pp 1-11
19.	"A survey: hybrid evolutionary algorithms for cluster analysis"	<b>Journal of Artificial Intelligence Review, Springer</b>	Vol.36, No.3	October 2011.	pp 179-204
20.	"Reducing the complexities in the <b>Cognition</b> of ontology knowledge Representation",	International Journal of Information Sciences and Techniques (IJIST)	Vol.1, No.3	Nov-20 11	pp 11-22
21.	"A study on development of <b>cognitive</b> support features in recent ontology visualization tools",	<b>Journal of Artificial Intelligence Review, Springer</b>	Online First.	Mar-2012	
22.	"Nugget Discovery with A Multi-Objective Cultural Algorithms"	Computer Science & Engineering: An International Journal	Vol.2 No.3	June 2012	pp.11-25

23.	"A Comprehensive Ontology <b>Cognitive</b> Assisted Visualization Tools – A Survey"	Journal of Theoretical and Applied Information Technology	Volume 41, Issue 1	Jul-12	pp. 31-36
24.	"Cultural Algorithm Toolkit for Multi-Objective Rule Mining"	International Journal on Computational Science & Applications	Vol. 2 No. 4	August 2012	pp 9-23
25.	"A Learning Automata based Solution for Optimizing Dialogue Strategy in Spoken Dialogue System"	International Journal of Computer Applications ( Foundation of Computer Science )	Vol. 58 No. 9	November 2012	pp.20-27
26.	"A Hybrid agent based virtual organization for studying knowledge evolution in social Systems"	<b>Artificial Intelligence Research</b>	Vol. 1 No. 2	December 2012	pp. 99-116
27.	"Learning automata based approach to learn dialogue policies in large state space"	International Journal of Intelligent Information and Database System, Inder Science.	Vol. 6, No.2	2012	Pp. 180-199
28.	"A Comparative Study Of Recent Ontology Visualization Tools With A Case Of Diabetes Data"	International Journal of Research in Computer Science	Volume 2, Issue 3	2012	pp. 31-36
29.	"Ontology based intelligent Multi agent for diet Food recommendation"	International Journal of scientific and Engineering Research	Vol.4 Issue 1	Jan – 2013	PP. 1-8
30.	"A review of support for Ontology based Multiagent system development"	Journal of Autonomous agent and Multi agent system	Vol. 1 Issue 3	Feb -2013	PP. 1-11
31.	"Slow Intelligence System framework to network management and Technology problem for Attaining feasible solution"	International journal of engineering	Volume 5 No 1	Feb 2013	PP. 398-402
32.	"A Study of Bio-inspired Algorithm to Data Clustering using Different Distance Measures"	International Journal of Computer Applications	Vol. 66, No. 12	March 2013	PP. 33-44
33.	"A Social intelligent system for Multi-Objective Optimization of Classification Rules using Cultural Algorithms Computing"	<b>Journal of Computing, Springer</b>	Vol. 95, Issue 4	April 2013	pp. 327-350
34.	"Post -mining of association rules using Ontologies and rule schemas, International Journal of computer and communication technology"	International Journal of computer and communication technology	Vol.4, Issue 1	2013	pp. 33-37
35.	Hybrid Fuzzy Data Clustering Algorithm Using Different Distance Metrics: A Comparative Study	International Journal of Soft Computing and Engineering (IJSCE)	Vol. 3, Issue 6	January 2014	pp. 241-248
36.	"Development of secured context rough ontology modelling for ensuring data consistency and integrity "	The journal of Technology	Vol.2, Special Issue 2	2014	pp.36-61
37.	"Development of fuzzy rough features in ontology knowledge representation"	The journal of Technology	Vol. 6, Issue 4	2014	pp.232-254

38.	"Distance based hybrid approach for cluster Analysis using variants of k means and Evolutionary algorithm"	Research Journal of Applied Science and engineering and Technology	Vol.08 issue 11	Sep. 2014	pp. 1355-1362
39.	"Data clustering based on hybrid of fuzzy and swarm intelligence algorithm using Euclidean and Non-Euclidean Distance metrics: A Comparative study"	A journal of theoretical and applied information technology	Vol.69 issue No. 3	Nov . 2014	pp. 599-610
40.	OntoSri: A Domain Independent Ontology Visualization Tool	International Journal of Engineering Research and Management. ISSN: 2349-2058	Volume 02 Issue 01	January-2015	pp.128-133
41.	"Knowledge Representation Using Type-2 Fuzzy Rough Ontologies in Ontology Web Language"	Fuzzy Information and Engineering, Elsevier	Vol. 7 Issue 1	March 2015	73-99
42.	Ontology Development Using Ontosri: A case Study of Clinical Information of Diabetes Domain	International Journal of Advanced Engineering and Global Technology	Volume-03,Issue-03	March 2015	pp.431-438
43.	Development of Ontology based Middleware for Context Awareness in Ambient Intelligence	Journal of Network and Innovative Computing ISSN: 2160-2174	Vol. 3	April 2015	pp. 068-077. ISSN 2160-2174.
44.	Multi Agents for Context Awareness in Ambient Intelligence: A Survey	International Journal of Engineering Research and Technology ISSN 2278-0181	Vol. 4 , Issue. 07	July 2015	pp. 983-991
45.	Knowledge Representation using Fuzzy Ontologies - A Review	International Journal of Computer Science and Information Technologies (IJCSIT) ISSN:0975-9646	Vol. 6 Issue 5	2015	pp. 4304-4308
46.	"Service Ranking Through Slow Intelligence System"	"International Journal of Advanced Research in Computer Science Engineering and Information Technology", ISSN: <b>2321-3337</b>	Volume4 Issue 3	October 2015	pp. 412-420
47.	"Slow Intelligence Based Learner Centric information Discovery System"	"International Journal of Communication and Networking System IJCNES" ISSN: <b>2278-2427</b>	Volume 04 Issue 02	December 2015.	pp.1-3
48.	Ontology Based Intelligent Agents in Healthcare Application	International Journal of Trend in Research and Development (IJTRD), ISSN: 2394-9333	volume:3 Issue:3	June 2016	Pp 436-442
49.	Ontology Based Context-aware Post-mining of Association Rule	International Journal of Applied Engineering Research ISSN 0973-4562	Volume 11, Number 10	October 2016	pp 6954-6963
50.	Rule Acquisition Tools and Techniques in Semantic Web Through Ontology Based Systems-A Review	International Journal of Innovative Research in Computer and Communication Engineering, ISSN:2320-9798,	volume:4 Issue:5	October 2016	Pp 149 - 161
51.	Integration Of Internet-Of-Things Facilities and Ubiquitous Learning For Still Smarter Learning	Mathematical Sciences International Research Journal, ISSN 2278-8697	Volume 5 Issue 2	December 2016	Pp 286-289

	Environment				
52.	IoT infrastructure for Smart Classroom Environment	International Journal of Advanced Computer Applications, ISSN: 2231 – 251X	Volume 6 Issue 1	December 2016	Pp 1-6
53.	A Survey on Context-Aware Ubiquitous Learning Systems	International Journal of Control Theory and Applications, ISSN : 0974–5572	Volume 10 Number 23	April 2017	Pp 111-124
54.	Adaptive System to Support Context Awareness a Study with Gesture Recognition	International Journal of Control Theory and Applications, ISSN : 0974–5572	Volume 10 Number 23	April 2017	Pp 125-145
55.	Development of IoT Environment to Interact with Learning Management Systems	International Journal of Control Theory and Applications, ISSN : 0974–5572	Volume 10 Number 23	April 2017	Pp 173-180
56.	Ubiquitous and Ambient Intelligence Assisted Learning Environment Infrastructures Development - a review	Education and Information Technologies, <b>Springer</b> ISSN: 1573-7608,	Online First	July 2017	Pp 1-30
57.	Automation of Class Attendance and Enhancement of Student Academic Performance Using IoT in Higher Education	International Journal of Scientific Research in Computer Science Applications and Management Studies	Volume 7, Issue 5	September 2018	-
58.	Finger print Based Students Authentication and Performance Enhancement in Educational Institutions using IoT Technology□	International Journal of Management, Technology And Engineering	Volume IX, Issue V	MAY/2019	-
59.	Hybrid Feature Extraction and CNN Classifier for Finger Print Recognition□	Jour of Adv Research in Dynamical & Control Systems,	Vol. 11	2019	-
60.	A Convolutional Neural Network based Fingerprint and Face Biometric Multi-modal for Educational Authentication System	International Journal of Advanced Science and Technology	Vol. 29, No. 3	2019	pp. 3486 - 3497
61.	A comprehensive study on Ontological Modeling and Semantic Rule Based Reasoning in Pervasive Environments	The International journal of analytical and experimental modal analysis□	Volume XI, Issue XI	, November/2019	Page No:1418 -
62.	Fuzzy Logic based Ontological Modeling for Student Academic Performance Prediction in Pervasive Environments	The International journal of analytical and experimental modal analysis	Volume XII Issue 1	January 2020	Page No:2377 - 2384
63.	Development of User Modelling using ontologies	Our Heritage	Volume 68, Issue 01	January 2020	7793
64.	QOS based web services for medical domain using fuzzy approach□	Journal of solid state technology	06	Sept 2020	7332 - 7343
65.	WEB SERVICE FOR VISUALLY IMPAIRED BLIND USESRS USING A NOVAL MECHANISM	Journal of critical reviews	07	Sept 2020	2550-2559



**ANNEXURE – VI****BOOKS PUBLISHED:**

Sl. No.	Name of the Book / Title of the Article / Book / Editor	Publisher	Place and Year of Publication
1	Web Programming using PHP and MySQL, ISBN: 978-93-5051-5815.	Himalaya Publications Mumbai.	2012
2	Dot Net Technologies, ISBN: 978-93-5097-938-9	Himalaya Publications Mumbai.	2016
3	Human Computer Interaction ISBN: 978-81-203-5050-2	PHI Learning, New Delhi.	2015

**ANNEXURE – VII****GUEST LECTURES DELIVERED:**

Sl. No.	Title of the Guest Lecture	Place	Date
1.	Neural Networks	Madurai Kamaraj University, Madurai	11.04.1999
2.	Neural Networks	Govt. College, Kumbakonam	19.03.2001
3.	Young Scientist Development	A.V.V.M. Sri Pushpam College , Thanjavur	30 <sup>th</sup> April to 27 <sup>th</sup> May 2001
4.	Data Mining Techniques for Gene Database and Genetic Algorithms for Share price Prediction	Virudhunagar Hindu Nadars' Senthilkumara Nadar College	26-02-2003
5.	Bioinformatics	Sengamala Thayar College, Mannargudi	01.03.2003
6.	Data mining	K.N. Govt. College, Thanjavur	12.02.2004
7.	Data mining	Annai College, Kumbakonam	11.02.2005
8.	Data mining	EGS Pillai College, Nagappattinam	29.08.2005
9.	Data Mining Techniques and its applications	Khadir Mohideen College, Adirampattinam	11.09.2005
10.	Computer Science Applications, Academic Staff College – Refresher Course	Bharathidasan University	19 <sup>th</sup> and 24 <sup>th</sup> Sep 2005
11.	Bio intelligent Bioinformatics	Cauvery College for women, Trichy	23.09.2005
12.	Web Mining and Farming	SRM Institute of Science & Technology	14.12.2005
13.	Web Mining	Meenakshi Chandrasekara College, Pattukottai	17.03.2006
14.	Data mining	Periyar Maniammai University, Thanjavur	18.03.2006
15.	Human Computer Interaction	Jamal Mohamed College, Trichy	25.08.2006
16.	Human Computer Interaction- Refresher Course in Information Technology	Bharathidasan University, Trichy	06.10.2006
17.	Fuzzy Artificial Neural Network	SASTRA University, Thanjavur	2006
18.	Bioinformatics	PRIST University, Thanjavur	2006

19.	Human Computer Interaction	Srimathi Indra Gandhi College, Trichy	29.07.2006 2006
20.	Computer Training for Judicial Officers	A.V.V.M Sri Pushpam College, Poondi	2006
21.	Enhancing the quality of Interaction between Examiners and Answer paper	A.V.V.M. Sri Pushpam College	20.01.2007
22.	Recent trends in Feed forwarded Neural Networks – Back propagation Algorithms	VHSNN College, Virudhunagar	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2007
23.	Data mining and its Applications mining	Gobi Arts & Science College, Gobi	10.03.2007
24.	Artificial Intelligence & Neural Networks	SRM University, Chennai	22.02.2008
25.	Human Computer Interaction	Govt. College , Kumbakonam	31.03.2008
26.	Data mining	Bharathiar Engg. College, Karaikal	18.03.2009
27.	Data mining	Govt. College, Trichy	2009
28.	Recent Trends in C.S	Govt. College, Trichy	2009
29.	Emerging Trends of Computer Applications	Jeyaram Engg. College, Thuraiyur	22.09.2009
30.	Data mining Techniques and its Applications	Kadar Moideen College, Adirampattinam	2010
31.	Data mining	Deivanni Ammal College, Villupuram	2010
32.	Young Students Scientist Programme	A.V.V.M. Sri Pushpam College	02.05-2012 – 21.05-2012
33.	Semantic Web- Research Initiatives in Data Mining for web intelligence	K.S.R Engg. College, Thiruchengode	2012
34.	Advances in CS	Bon secours College, Thanjavur	25.01.2012
35.	Ubiquitous Applications	Bon secours College for women, Thanjavur	13 <sup>th</sup> and 14 <sup>th</sup> Feburary 2013
36.	Advances in Knowledge Representation	Annai Vailankanni Arts and Science College, Thanjavur	17-09-2013
37.	Advances in Machine Intelligence	Annai College of Arts and Science,Kumbakonam	01-10-2013
38.		ADM College for Women, Nagapatinam	
39.	Recent Trends in Databases	Bharath College of Science and Management, Thanjavur	10-02-2015
40.	Recent Trends in HCI	Shrimathi Indira Gandhi College, Trichy.	28.2.2015
41.	Recent Trends in C.S	TVK college, Karanthai	17-03-2015
42.	Semantic Web	Shrimathi Indira Gandhi College, Trichy.	19-09-2015.
43.	FDP Programme CS6012-Soft Computing	A.V.C College of Engineering,Mayiladuthurai.	30-11-2015
44.	Recent Trends in HCI	Annai College of Arts and Science,Kumbakonam	3-3-2016

**ANNEXURE – VIII****RESEARCH PROJECTS – ONGOING AND COMPLETED:**

SL. No.	Title of the project	Minor/ Major	Name of the Funding Agency	Period	Amount Sanctioned	UC Submitted If Yes, Date and Year
1.	Designing a Data mining Tool for Protein – Protein interactions. Ref No : MRP – 410/04 ( MRP / UGC – SERO ), link no. 1410	Minor	UGC	2004-2006	65,000/-	21/09/2008
2.	Development of Visualization Methods to Integrate Patient Records for the domain of Acquired Immune Deficiency Syndrome (AIDS) Ref No : 38 – 4 / 2009 ( SR ). 19/12/2009	Major	UGC	2010-2013	Rs. 9,04,300	30/03/2013
3.	Business Specifications Extraction	Major	Nucleus Software, Noida	2015-2016	Rs. 9,52,339	-

**ANNEXURE – IX****SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED:**

Sl. No.	Title of the Seminar/Conference/Symposia Workshop	Name of the Sponsoring Agency	Amount Sanctioned	Period	UC submitted If Yes, Date and Year
1	Data Mining for Bio informatics	UGC	Rs.75,000	2004	21/09/2008
2	ChemiInformatics Workshop	Self Support		2005.	Not Applicable
3	Ontology Tools - Work shop	Self Support		2010	Not Applicable
4	Cloud Computing - Work shop	Self Support		2011	Not Applicable
5	HCI Workshop	Self Support		2011	Not Applicable
6	Integrating Teaching Learning with Technologies	Self Support		2013	Not Applicable
7	Workshop on “Sixth Sense Technologies”	Self Support		2014	Not Applicable
8	Development of Ambient Intelligence Infrastructure in Ubiquitous Classroom Environment	UGC	Rs. 93, 513	23.01.2015 & 24.01.2015	Yes, May 2015

**ANNEXURE – X****Research Experience (M.Phil.) – Guided and Guiding**

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1	N. Sabidha	Educational data mining using Apriori algorithm	2009-2010	Bharathidasan
2	S. Gomathi	Development of Sensitive Knowledge Hiding in Data mining	2009-2010	Bharathidasan

3	P. Sundarai	Development of Algorithm to evaluate best set of terms in text of data mining	2009-2010	Bharathidasan
4	S. Sathya	Design and implementation of method layer in Bi-driver data mining for e-business	2009-2010	Bharathidasan
5	T. Ramya	Evaluating the consequence of affective feedback in intelligent tutoring system	2009-2010	Bharathidasan
6	R. Bhayalakshmi	Development of teaching ontologies with a case of C Programming language	2010-2011	Bharathidasan
7	V. Sugasini	Development of algorithm for frequent pattern mining in very large database	2010-2011	Bharathidasan
8	M. Jansi rani	Development of Text clustering Algorithm using concepts	2010-2011	Bharathidasan
9	V. Arulmozhi	Data mining instance centric classification rules	2002-2003	Bharathidasan
10	D. Rajesh	Knowledge discovery in multiple data bases	2004 – 2005	Bharathidasan
11	K.K. Sudha	Querying text data bases for effective information	2004– 2005	Bharathidasan
12	G. Rajaraja cholan	Ontology based approach for cost sensitive classification	2005-2006	Bharathidasan
13	P. Kodimalar	Intelligent assistance for data mining process	2004-2005	Bharathidasan
14	S. Priya	Data mining using rough sets for market time decision	2006-2007	Bharathidasan
15	K. Sudhakar	An approach to integrate rough sets with fuzzy logic	2008-2009	Bharathidasan
16	S. Kalaimagal	Rough set integration with data mining	2008-2009	Bharathidasan
17	M. Rajalakshmi	Mining centric rules for CRM	2002-2003	Bharathidasan
18	S. Ramya	Preserving major values of an attribute in attribute oriented induction	2002-2003	Bharathidasan
19	S. Shanthi	CRM with data mining	2004-2005	Bharathidasan
20	M. Shobitha	HCI methods for MIS	2005-2006	Bharathidasan
21	B. Senthil kumar	Design of an Inductive inference algorithm for pattern recognition with a case of DNA splice sites patterns	2005-2006	Bharathidasan
22	V. Maniraj	A Rough set analysis	2006-2007	Bharathidasan
23	R. Radhika	Data mining application in CRM for credit card business	2006-2007	Bharathidasan
24	M. K. Sangeetha	A data mining algorithm using inductive inference with a case study of Bio informatics	2006-2007	Bharathidasan
25	E. Nappinai	Integrating Clustering with Data mining	2007-2008	Bharathidasan
26	P. Sujatha	Hiding sensitive rules in data mining	2007-2008	Bharathidasan

27	G.Kavipriya	A FU22Y Expert System For Diabetes Decision Support Application	2012-2013	Bharathidasan
28	R.Sathya	Robust Model Using XAML	2012-2013	Bharathidasan
29	T.Thangamani		2012-2013	Bharathidasan
30	D.Senthil kumar	Human Computer Interaction Application	2012-2013	Bharathidasan
31	U.Vinoth	Human Computer Interaction Modelling	2012-2013	Bharathidasan
32	M.Vinoth kumar	Data Mining Protection For Sensible Label In Social Network	2012-2013	Bharathidasan
33	M.Poovizhi	Protection For Sensitive Label In Social Networks	2013-2014	Bharathidasan
34	P.Karthika	Topic Mining Over Asynchronous Text Sequences	2013-2014	Bharathidasan
35	S.Deepika	A Heuristic Approach And Co-Occurrence Expert Pattern Creation	2013-2014	Bharathidasan
36	R.Maheswary	Sitting Posture Of Students In Vibiquite Us Learning Environment Using Knowledge	2013-2014	Bharathidasan
37	bhuvaneswari s	Online Student Attendance Monitoring System	2013-2014	Bharathidasan
38	N.Yogavathi	Students Facial Recognition In Unhitqous Learning Environment Using Kind Sensors	2013-2014	Bharathidasan
39	P.Sivaranjani	Ontology Development For Pilorimage Tensism Management System	2013-2014	Bharathidasan
40	S.Sahana	Development Of Ubiquitous Learning Environment For Learning Management System	2013-2014	Bharathidasan
41	T.Suresh	Advanced Knowledge Representation With Protégé And Weka Tools For The Case Of Weather Analysis	2014-2015	Bharathidasan
42	R.Hemamalini	Knowledge Representation Using Ontology Tools With A Case Of Statnse Analysis	2014-2015	Bharathidasan
43	S.Ponmalar	Ontology Knowledge Presentation Of The Mined Rules For The Case Of Coutactactiesry Fitting Analysis	2014-2015	Bharathidasan
44	J.Kiruthika	Development Of Effective Interaction By Evaluation Facilities Am1 Classroom Using Rlms	2014-2015	Bharathidasan
45	R.Suganya	Ontology Usability Evalutaion In Protégé Ontology Tool	2014-2015	Bharathidasan
46	V.Padmapriya	A Survey On The Development Of Infrastructure For Ubiquitous And Ambient Assistant Learning Environment	2015-2016	Bharathidasan
47	R.Sivaranjani	Embedding Learning Management System Into Ubiquitous Computing Environment	2015-2016	Bharathidasan
48	K.Thara	Development Of Ambient Intelligence In Ubiquitous Classroom Environment	2015-2016	Bharathidasan
49	S.Elankodi	Development Of Ontologies For Modelling User Behaviour In Ambient Intelligence Environment	2015-2016	Bharathidasan
50	R.Elakkiya	Extraction Of High Utility Itemsets IN A Single Segment Excluding Candidate Creation	2016-2017	Bharathidasan

51	K.Ramanathan	Mining students welfare schemes data for the case of government Schools	2016-2017	Bharathidasan
52	Pradap		2017 Doing	Bharathidasan
53	Kalpanna		2017 Doing	Bharathidasan
54	S.Kasthuri		2018 Doing	Bharathidasan
55	K.M.Vanmathi		2018 Doing	Bharathidasan
56	M.Ramya		2018 Doing	Bharathidasan

## ANNEXURE – XI

### Research Experience (Ph.D.) – Awarded, Submitted and Guiding

Sl. No.	Name of the Scholar	Title of the Thesis	Year of Study	University
1.	K. PALANIVEL <i>Awarded</i>	Development of Agent - Based Personalized Recommender System for Effective Human - Computer Interaction	2006-2012	Bharathidasan
2.	G. KUMARAVELAN <i>Awarded</i>	Development of Learning Automata Based Method for Optimising Dialogue Strategies In Large - Scale Spoken Dialogue System	2006-2012	Bharathidasan
3.	V. SWAMINATHAN	Development of Advanced	2007-2012	Bharathidasan

	<i>Awarded</i>	Ontology Visualization Tool with a case of Clinical Information system.		
4.	S. SUJATHA <i>Awarded</i>	Imperfect Evolutionary Multi-objective Optimization System for Interactive Knowledge Discovery with Extended Cultural Algorithm	2008-2012	Bharathidasan
5.	V. MANIRAJ <i>Awarded</i>	Design of Cognitive Social Simulation Framework Using Reinforcement Learning Algorithm with Function Approximation in the Domain of Academic Science	2009-2014	Bharathidasan
6.	O.A. MOHAMED JAFAR <i>Awarded</i>	Development of Hard, Fuzzy and Nature Inspired Hybrid algorithms for data clustering problems	2009-2015	Bharathidasan
7.	A.B.KARTHICK ANAND BABU <i>Awarded</i>	Design and Development of Autonomous Middleware to Support Context Awareness in Ambient Intelligence Environment	2013-2015	Bharathidasan
8.	T. S. BASKARAN <i>Awarded</i>	Slow Intelligence System For Effective Semantic Web Services	2013-2016	Periyar
9.	R. SUBASH CHANDRA BOSE <i>Awarded</i>	Context-aware Post-mining of Association Rules using Ontology and Rule Schema	2012-2015	Bharathiar
10.	K. PRAKASH <i>Awarded</i>	Development of Ontology based human healthcare application	2012-2015	Bharathiar
11.	R. MANIKANDAN	Ontology Design	2010-2015	Bharathidasan
12.	D. NILAVU <i>Awarded</i>	Development of Efficient Methodology for Rule Acquisition in Semantic Web	2012-2015	Bharathidasan
13.	K.SUJITH <i>Awarded</i>	Development of Advanced Ontology Based Framework for Modelling User Behaviour in Ambient Intelligence Environment	2014-2018	Bharathidasan
14.	R.KALAIVANI <i>Synopsis Submitted</i>	Ubiquitous Computing	2014-2017	Bharathidasan
15.	V.RAMANATHAN <i>Awarded</i>	Ubiquitous Computing	2016-2019	Bharathidasan
16.	P.R.SIVAKUMAR <i>Awarded</i>	Internet Of Things	2017-2022	Bharathidasan
17.	G.NARAYANAN <i>Awarded</i>	Development of advanced framework for personal webspace in semantic web	2013-2022	Bharathidasan

## ANNEXURE – XI A

### JOURNAL REFEREE

- International Journal of Advanced Information Technology (IJAIT)
- International Journal of Advances in Knowledge Engineering & Computer Sciences.
- Journal of Electrical and Electronics Engineering Research
- Journal of Global Optimization
- Computer Methods and Programs in Biomedicine, Elsevier
- Journal of Artificial Intelligence Review, Springer
- Kuwait Journal of Science
- **Editor**, International Journal of Computer Engineering (CIJCE)
- IEEE- International Journal of Internet of Things
- Journal on Mathematical problems in Engineering

**PARTICIPATION IN ACADEMIC RESEARCH BODIES IN OTHER INSTITUTIONS:  
(Mention the period in the relevant column)**

Name of the Institution	Academic Council	Board of Studies	Research committee	Academic Audit committee	Member in University committee	Any other (specify)
Bharathidasan University		√			√	
Nehru Memorial College, Puthanampatti		√				
Bishop Heber College, Trichy		√				
Govt. College (W), Thanjavur		√				
ADM College Nagappattinam		√				
Govt. College (M), Kumbakonam		√				
Erode Arts College, Erode		√				
Gobi Arts College, Gobichettipalayam		√				
Jamal Mohamed College, Trichy		√		√		
Govt (Men) College, Pudukkottai.		√				
J.J College of Arts and Science, Pudukkottai.		√				
Raja Serfoji Govt College, Thanjavur.		√				
PSGR Krishnammal College for Women, Coimbatore.				√		
Karpagam University, Coimbatore.		√				
Periyar Maniammai University, Vallam, Thanjavur		√				
Govt. Arts College, Karur		√				
National College, Trichy		√				

**ANNEXURE – XIII****SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES**

Sl. No.	Name of the Activity	Period
1.	Placement Officer	Since 2006
2.	Internal Quality Assurance Cell Member	Since 2004
3.	College Web Design Committee member	Since 2010
4.	Library and Office Automation Committee member.	2012-2013
5.	University Purchase committee member	2011- 2012



6.	Chairman of different State Universities QP set board (Madras University, Periyar University, Alagappa University, Mother Teresa University , PRIST University, Bharathiyar University)	Since 2006
7.	Tamilnadu Public Service Commission Examination Board member	2009-2010

#### **ANNEXURE – XIV**

##### **MEMBERSHIP IN PROFESSIONAL BODIES**

Name of the Professional Body	National/International	Period
Global Society for Health & Educational Growth, New Delhi	National	2012-2013
International Association of Computer Science and Information Technology, Singapore	International	Since 2012
International Association of Engineers (IAENG)	International	Since 2014
Association for Computing Machinery	International	Since 2016

#### **ANNEXURE – XV**

##### **HONORS AND AWARDS RECEIVED**

- Nominated by the Vice Chancellor of Bharathidasan University as Coordinator of Clustering Colleges for the Districts of Thanjavur and Tiruvarur, Tamilnadu.
- Received *Bharath Shiksha Ratan Award* from Global Society for Health & Educational Growth, New Delhi, on 03/09/2012 at New Delhi.
- Received *Mentor Award* from Kalam Educational Trust, Chennai, on 2017 at Salem.