Dr.JAYASIMMAN L

Assistant Professor,
Department of Computer Application,
Bishop Heber College,
Tiruchirappalli - 17.

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Qualification

Degree	Branch	Institution / University	Year of Passing
M.Tech.	Computer Science	Bharathidasan University	JUNE 2008
Master of Philosophy	Computer Science	Bharathidasan University	AUGUST 2006
M.Sc Computer Science	Computer Science	Bharathidasan University, St.Joseph College, Trichy,	2000 May
Doctor of Philosophy	Computer Science	Bharathidasan University	JULY 2014

Cleared NET / SET :	Details	Year of Passing

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Srimad Andavan Arts and Science College, Tiruchirappalli	Srimad Andavan Arts and Science College, Tiruchirappalli	Asst.Professor - Director MCA	July 2014	24-06- 2018
JJ College of Engineering and Technology	JJ College of Engineering and Technology, Tiruchirappalli	Asst.Professor (SG)	July 2009	June 2013
St.Joseph College of Engineering and Technology	St.Joseph College of Engineering and Technology, Tanzania	Lecturer	Feb 2009	June 2009
Christhu Raj College, Trichy	Christhu Raj College, Trichy	Lecturer	Aug. 2001	Jan. 2007
Bishop Heber College, Trichy	Bishop Heber College, Trichy	Asst.Professor	25-06-2018	Till Date
Sri Anagalamman College of Engineering & Technology	Sri Anagalamman College of Engineering & Technology, Trichy	Lecturer	June 2007	Jan. 2009

Teaching / Research Experience

U.G. :	21	P.G. :	21	M.Phil.	9	Ph.D.	9

Research Guidance

U.G. :	20	P.G. :	21	M.Phil. :	9	Ph.D. :	9

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1

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Field Experience

Type	Name of the Sector	Designation	From	To
Industry	Cybernet Soft Systems, Chennai	Software Developer	Nov.1999	April 2000

Table of Contents

1.	Conferences / workshops / Seminars Attended	1
2.	Research Papers Presented	8
3.	Publication in Journals	26
4.	Publication in Books	0
5.	Books Published / Edited	1
6.	Conferences / Workshops / Seminars Organised	1
7.	Research Projects	0
8.	Resource Person	13
9.	Consultancy	0
10.	Awards Recieved	3
11.	Patent	1
12.	Extension Activities Undertaken	0
13.	Professional Membership	1
14.	M.Phil. / Ph.D. Produced	6 / 9

CONFERENCES / WORKSHOPS / SEMINARS ATTENDED - 1

1.   International level Conference on **"*International conference on Recent Trends in Humanities & Science*"** sponsored by Universiti Tunku Abdul rahman, Malaysia organized by Universiti Tunku Abdul rahman, Malaysia at Malaysia during 25/10/2018 to 27/10/2018.

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2

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Research Papers Presented   -   8

1. **"Cultural Swarm Based Task Sch"** in the International conference on *the International Conference on "Research Practices of Cutting Edge Technologies in Computing* sponsored by Sri Ramakrishna College of Arts & Science,, organized by Sri Ramakrishna College of Arts & Science, at Coimbatore during 11/11/2021 to 11/11/2021.

2. **"Classification of Learners Ability Using Classification Algorithm"** in the International conference on *International Conference on Applied Mathematics & Bio-inspired Computations* sponsored by CSIR, organized by PG & Research Department of Mathematics, Bishop Heber College, Trichy at Bishop Heber College,Trichy during 10/01/2019 to 11/01/2019.

3. **"Secured Data Deduplication using Enhanced Symmetric Convergence Encryption Algorithm for Public cloud Storage"** in the International conference on *International Conference on Recent Trends in Humanities & Science* sponsored by , organized by Universiti Tunku Abdul Rahman, Malaysia at Malaysia during 25/10/2018 to 27/10/2018.

4. **"A survey on Data storage security in cloud computing"** in the National conference on *National Conference on Big Data and smart Clouds(NCBSC)* sponsored by , organized by school of computing held at Bharath university at Chennai during 23/03/2017 to 24/03/2017.

5. **"Study of Security issues, Authentication, Authorization and its Solutions in Cloud"** in the International conference on *International Conference on Emerging Trends Engineering & Technology (ICETET)* sponsored by IEEE, organized by Arunachala college of Engineering for Women , Vellichanthai at Nagerkoil during 01/01/1900 to 01/01/1900.

6. **"An In-Depth Security Survey on Cloud Computing layers with novel Solution"** in the International conference on *2nd World Congress on Computing and Communication Technologies - WCCCT 2016* sponsored by , organized by St Joseph College, Trichy at Trichy during 01/01/1900 to 01/01/1900.

8. **"Enhancing Learning Activities Through Internet of Things"** in the International conference on *International Conference on Emerging Trends Engineering & Technology (ICETET)* sponsored by IEEE, organized by Arunachala college of Engineering for Women , Vellichanthai at Nagerkoil during 01/01/1900 to 01/01/1900.

Publication in Journals   -   26

1.   **"An Investigation on Performance Analysis of Host Detection Techniques for Efficient Virtual Machine Consolidation in Cloud Computing"** published in Journal of the Maharaja Sayajirao University of Baroda I (PEER REVIEW) Vol. 55, Issue No. 1, January 2021 **ISSN :** ---.

2.   **"USER CREDENTIAL-BASED AUTHENTICATION MECHANISM FOR SECURING DATA ACCESS IN PUBLIC CLOUD ENVIRONMENT"** published in ARPN Journal of Engineering and Applied Sciences (PEER REVIEW) Vol. 15, Issue No. 24, December 2020 **ISSN :** 1819-6608.

3.   **"AN IMPROVED DATA PROTECTION TECHNIQUE TO SECURE A PUBLIC CLOUD ENVIRONMENT"** published in Indian Journal of Computer Science and Engineering (IJCSE) (PEER REVIEW) Vol. 11, Issue No. 6, November 2020 **ISSN :** ---.

4.   **"IMAGE-BASED MULTI-LEVEL USER AUTHENTICATION MECHANISM FOR SECURING UNAUTHORIZED DATA ACCESS IN PUBLIC CLOUD ENVIRONMENT"** published in International Journal of Advanced Research in Engineering and Technology (IJARET) (PEER REVIEW) Vol. 11, Issue No. 10, October 2020 **ISSN :** 0976-6499.
         Impact factor , Scopus 2020 Scopus Indexed, **h - index** , **Citation index**

5.   **"An Enhanced Context Aware Monitoring for Smart Learning using Internet of Things (IoT)"** published in International Journal of Emerging Trends in Engineering Research (PEER REVIEW) Vol. 8, Issue No. 9, September 2020 **ISSN :** 2347 - 3983.

6.   **" An Investigation on Performance Analysis of Host Detection Techniques for Efficient Virtual Machine Consolidation in Cloud Computing"** published in Journal of Xidian University (PEER REVIEW) Vol. 14, Issue No. 8, August 2020 **ISSN :** 1001-2400.

7.   **"A Cost Effective Scalable Framework for Dynamic Threshold Based Autoscaling in Cloud"** published in International Journal of Advanced Trends in Computer Science and Engineering (PEER REVIEW) Vol. 9, Issue No. 4, August 2020 **ISSN :** ---.
         Impact factor , **Scopus Index** Scopus Inexed, **h - index** , **Citation index**

8.   **"Enhanced Authentication Mechanism to Protect Unauthorized Access in Public Cloud Environment"** published in Mukt Shabd Journal (SELECT) Vol. 9, Issue No. 4, April 2020 **ISSN :** 2347-3150.

9.   **"TASK SCHEDULING TECHNIQUES FOR CLOUD COMPUTING ENVIRONMENT – A LITERATURE REVIEW"** published in INFOKARA RESEARCH (PEER REVIEW) Vol. 8, Issue No. 12, September 2019 **ISSN :** 1021-9056.

10. **"Classification of Learner's Ability using Classification Algorithm"** published in International Journal of Research in Advent Technology (IJRAT) (PEER REVIEW) Vol. 1, Issue No. 1, February 2019 **ISSN :** 2321-9637.

11. **"Extraction Techniques in Image Mining System –A Survey"** published in International Journal of Computer Sciences and Engineering (PEER REVIEW) Vol. 6, Issue No. , March 2018 **ISSN :** 2347-2693.

12. **"A critical analysis of animation courses and its' contents"** published in International Research Journal of Engineering and Technology (IRJET (SELECT) Vol. 2, Issue No. 2, June 2015 **ISSN :** 2395-0056.

13. **"A comparative study on Mobile Devices for Learning"** published in International Research Journal of Engineering and Technology (IRJET) (PEER REVIEW) Vol. , Issue No. , June 2015 **ISSN :** ---.

14. **"Usage of Multimedia technologies to reduce stress"** published in International Journal of Advanced Research in Computer Science and Software Engineering (PEER REVIEW) Vol. , Issue No. , May 2015 **ISSN :** 2277 128.

15. **"UID Comparison of Multimedia Software"** published in international Journal of Advanced Research in Computer Science and Software Engineering (PEER REVIEW) Vol. , Issue No. 5, May 2015 **ISSN :** 2277 128.

16. **"A Framework to Enhance Classification Accuracy for Web Learning System"** published in International Journal of Computer Science and Telecommunications (PEER REVIEW) Vol. 5, Issue No. , November 2014 **ISSN :** ---.

17. **"Classifying User Preferences of Web Learning System with Genetic Optimization"** published in International Journal of Engineering Research and Applications , India (SELECT) Vol. 3, Issue No. 6, December 2013 **ISSN :** 2248-9622.

18. **"A Parallel MLP Classification Approach for Cognitive Load in Web Based Learning"** published in Emerging Research in Computing, Information, Communication and Applications (SELECT) Vol. , Issue No. , August 2013 **ISSN :** 978-93-5107-102-0.

19. **"A Genetic Optimized Parallel MLP to Improve Classification Accuracy for Web Learning System"** published in International Journal of Emerging Trends & Technology in Computer Science (SELECT) Vol. 2, Issue No. 4, August 2013 **ISSN :** 2278-6856.

20. **"A Soft Computing Approach for User Preference in Web Based Learning"** published in International Journal of Computer Applications (SELECT) Vol. 61, Issue No. 21, January 2013 **ISSN :** ---.

21. **"Classification of Cognitive Load Identification for User's Preference in Web Learning System using Particle Swarm Optimization Technique"** published in International Journal of Computer Science and Telecommunications, UK (PEER REVIEW) Vol. 4, Issue No. 12, January 2013 **ISSN :** 2047-3338.

22. **"Predictive accuracy based on Cognitive approach in web based learning"** published in IEEE-International Conference on Advances in Engineering (ICAESM - 2012) (PEER REVIEW) Vol. , Issue No. , March 2012 **ISSN :** 978-1-4673-0213-5..

23. **"Dynamic User interface Based on Cognitive Approach in Web-Based Learning"** published in International Journal of Computer Science Issues, Mauritius (PEER REVIEW) Vol. 8, Issue No. 4, July 2011 **ISSN :** 1694-0814.

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5

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24. **"Enhanced Cost Effective Scalable Scheme for Media Streaming in Heterogeneous Cloud"**
published in Sustainable Humanosphere (PEER REVIEW) Vol. Volume: 16, Issue No. Issue:I,
January 1900 **ISSN** : ---.

Books Published / Edited   -   1

* . *Python Programming for Beginners*. : AlphaInternationalPublication , May 2023.

Conferences / Workshops / Seminars Organised   -   1

1. International level Conference Entitled **"National Conference on Transforming Technology"** at
Srimad Andavan Arts & Science College, Trichy -5, sponsored by , during 24/01/2018 to
25/01/2018.

Awards Recieved   -   3

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Dr A.P.J Abdul Kalam Research Award	Pims	10/02/2022	SELECT	PIMS	
BEST PAPER AWARD	SRI RAMAKRISHNA COLLEGEOF ARTS & SCIENCE	11/11/2021	STATE	SRI RAMAKRISHNA COLLEGEOF ARTS & SCIENCE	
Doctor of Letters	International Economics University for SAARC Countries	01/08/2017	UNIVERSITY	International Economics University for SAARC Countries	

PROFESSIONAL MEMBERSHIP   - 1

* IAENG Member of International Association of Engineers during 02/02/2017 - Till Date

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6

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TRAINING PROGRAMME   -   4

\#   NATIONAL level on **"Faculty Development Programe"** Sponsored by , Organized by St.Josephs College at Trichy during 16/08/2023 - 22/08/2023.

\#   STATE level Faculty Development Programme on **"PANTENTS AND INNOVATIVE TEACHING METHODOLOGY"** Sponsored by BISHOP HEBER COLLEGE, Organized by BISHOP HEBER COLLEGE at Trichy during 02/03/2022 - 06/05/2022.

\#   INTERNATIONAL level International Faculty Development Programme on **"Recent trends in computational intelligence"** Sponsored by BON SECOURRS COLLEGE OF WOMEN, Organized by Department of Computer Applications at Thanjavur during 14/02/2022 - 18/02/2022.

\#   NATIONAL level Faculty Development Programme on **""Recent Trends in Cyber Security and Forensics"** Sponsored by Ministry of Electronics and Information Technology (MeitY), Organized by NIT Warangal and Indra Ganesan College of Engineering, Trichy, Tamilnadu at Trichy during 18/10/2021 - 28/05/2022.

RESOURCE PERSON   -   13

1.   College level Invited Lectures on **"IoT and Its Applications"** at Arul Anandar College,Madurai, 10/01/2024.

2.   College level Invited Lectures on **"Recent Trends in Information Technology"** at National College,Trichy, 14/07/2023.

3.   College level Invited Lectures on **"Internet of Things in Real Work Applications"** at Arul Anandar College, Madurai, 29/10/2022.

4.   College level Invited Lectures on **"PYTHON PROGRAMMING"** at BHARAHIDASAN UNIVERSITY-PERAMBLUR-17, 23/03/2022.

5.   International level Chair Person on **"Data Science Conference"** at SRM Arts and Science College Trichy, 03/09/2021.

6.   University level Seminar on **"Internet of Things"** at Trichy, 26/02/2020.

7.   College level Invited Lectures on **"Writing an Effective Research Article"** at St. Josephs college, Trichy, 27/02/2019.

8.   College level Seminar on **"DATA SCIENCE WITH R PROGRAMMING"** at Pavendar Bharathidasan College of Arts & Science, Pudukkottai, 20/02/2019.

9.   National level Conference on **"Data Mining and its Applications"** at Arul Anandar College, Madurai, 21/02/2017.

10.   College level Seminar on **"Data Mining with R Programming"** at Ganesar College of Arts and Science, 01/01/1900.

11.   National level Conference on **"Innovative Computing Technology"** at Arul Anandar College, 01/01/1900.

12.   University level Workshop on **"R Programming"** at Trichy, 01/01/1900.

13.   University level Invited Lectures on **"One Day Faculty Training Programme in R Programming"** at Arul Anandar College, 01/01/1900.

20/05/2024   8:35:50AM   Report generated by BISHOP HEBER COLLEGE(AUTONOMOUS),Trichy - 17.

7

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Type	**Nature**	**Patent No.**	**Status**	**Month & Year**
NATIONAL	Research	202241069482	APPLIED	12/1/2022 12:00:0