

Faculty Profile

Name : J Abdul Samath
Designation : Assistant Professor
Address : No. 22, SSS Avenue
Kulathupalayam
Kovaipudur,
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Contact Number : 9443220781
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Date of Joining in Collegiate Education : 31/07/2015
Date of Joining in the Present College : 14/09/2018
Academic Profile :

Degree	Institute /College	University	Period
B.Sc(Physics)	Sri Vasavi College, Erode	Bharathiar University	May 1996
MCA	Alamelu Angappan College, Komarapalayam	Madras University	May 1999
Ph.D	Gandhigram Rural University, Gandhigram	Gandhigram Rural University, Gandhigram	Jan 2008

Teaching Experience

i) **Total** : 19 years, 5months.
ii) **UG** : 19 years, 5months.
iii) **PG** : 19 years, 1month.

Name of the College	Position held	Period
SSM College of Engineering (Komarapalayam)	Lecturer	20-12-2000 to 31-01-2003
Sri Krishna College of Engineering and Technology(Coimbatore	Assistant Professor	16/07/2007 to 28/05/2008

Sri Ramakrishna Institute of Technology (Coimbatore)	Assistant Professor	30/06/2008 to 30/06/2010
Sri Ramakrishna Institute of Technology (Coimbatore)	Professor and Head	01/07/2010 to 30/06/2015
Government Arts College, Manalmedu	Assistant Professor	31/07/2015 to 02/11/2015
Government Arts College, Udmalpet	Assistant Professor	03/11/2015 to 14.09.2018(FN)`
Chikkana Government Arts College, Tiruppur	Chikkana Government Arts College, Tiruppur	14.09.2018 (AN) to Till Date

Honors and Research Awards : Nil

Field of Interest : C, C++, Java, Linux, Web Technology

i) **Teaching** : Neural Networks, Image Processing

ii) **Research**

iii) **Proficiency in instrumentation** :

Research Guidance

Guidance Number :

(If have more than one university, given them against university name)

PHD Completed List

S.No	Name of the Scholar	Titile of Thesis	Date of Viva	University
1.	Ms. P. Ambika	Non Traditional Approaches for Content Based Image Retrieval	30/10/2014	Anna University
2.	Ms. V. Sathya	An Eccentric Approaches for Optimal Toll System	30/06/2015	Anna University
3.	Ms. P. Parameswari	Strategies for Enhancing the Performance of Clustering Algorithms	11/01/2016	Anna University

4.	Ms. S. Dhanalakshmi	Evaluation of Hybrid Data Transmission Techniques for Privacy Preserving Classification	18/01/2018	Anna University
5.	Mr. M.Y. Mohammed Parvees	Studies on the Development and Analysis of Improved Chaotic Symmetric Cryptographic Solutions for Image Security	23/01/2019	Bharathiar University
6.	Mr. P. Senthil Kumar	Certain Investigation on effective information retrieval techniques on Web sources with user privacy.	29/07/2019	Anna University
7.	Mr. N. Kumerash	Automated job knowledge ontology construction with reduce overhead and time complexity	12/06/2020	Anna University
8.	Mr Rajeev	Development of Effective Machine Learning Approaches for Denoising Medical Images and their Performance Investigations	11/06/2020	Anna University
9.	Mr. John Pradeep Ebinezer	A User Centric Adaptive Bitrate Technique for Dynamic Adaptive Streaming Over HTTP	18.04.2022	Bharathiar University
10	Mr. T Jayaraj	Cloud and Big Data-Based Efficient Knowledge Integration and Extraction From Heterogeneous Healthcare Environment	09.05.2022	Bharathiar University

11	Mrs V Sridevi	Intelligent Diagnostic System Using Integrated Transfer Learned Deep CNN and Feature Fusion Techniques For Early Detection of Breast Cancer	28.08.2023	Bharathiar University
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Funded Projects :

Membership in Professional Bodies :

S. No	Name of the Professional Body	Membership Detail with Number
1.	Indian Society for Technical Education (ISTE).	LM 63909
2	Computer Society of India (CSI).	01057410
3	International Society for Computers and their Applications (ISCA)	2010070
4	Laser Institute of America (LIA)	IND35425
5	International Neural Network Society (INNS).	4286
6	International Association of Engineers (IAENG).	112656

Research Publications :

i) **Research Papers** : See (Annexure – I)

ii) **Books** :

[1]. **Dr. J. Abdul Samath**, Internet Programming, A. E. Publications, Coimbatore, INDIA,

ISBN: 978-93-80460-01-7

[2]. **Dr. J. Abdul Samath**, Fundamentals of Computer with C Programming, A. E.

Publications, Coimbatore, INDIA, **ISBN: 978-93-80460-00-0**

[3] **Dr. Tamilselvi P** and **Dr. J. Abdul Samath**, Operating Systems, Thakur Publishers,

Chennai, India, **ISBN:9789351630456**

iii) Patent : Nil

National and International Conferences : attach separate list (Annexure – II)

i) Participated

ii) Paper Presented

iii) Poster Presented

Conference/Seminars Organized :

Workshop attended :

Resource Person/Invited Lectures :

Faculty Development Programs Attended

Course	University/Institute	Subject	Period
Orientation Course	Bharathiar University	-	16.12.2016-12.01.2017
Refresher Course	Bharathiar University	Computer Science	
Refresher Course	Bharadhidasan University	Computer Science	13.02.2019-05.03.2019
Refresher Course	TLC-Ramanujan college, university of Delhi	Computer Science	17.05.2021-31.05.2021
Refresher Course	Calicut University	Computer Science	12.10.2022-25.10.2022

Academic Activities :

i) Subject Handled : Computer Science Subjects

ii) Class Advisor : UG /PG

iii) Special Coaching :-

iv) Student Community Beneficial Activities : NSP Institutional Nodal Officer

v) Co-curricular and extra curricular activities : Nil

Professional Activities :

i) Reviewer :-

ii) Board of Studies/UR :-

iii) Examiner/Scrutiny :-

iv) Senate/Syndicate :-

National/ International Collaborators :- :

Annexure -1

List of Publications

- i **J. Abdul Samath**, Solution of Lyapunov equation using simulink and neural networks, *International Journal of Computer, Mathematical Sciences and Applications*, INDIA, 1(2-4) 2007, 517-526..
- ii P. Balasubramaniam, **J. Abdul Samath**, N. Kumaresan and A. Vincent Antony Kumar, Solution of matrix Riccati differential equation for the linear quadratic singular system using neural networks, *Applied Mathematics and Computation*, USA, 182(2) (2006) , 1832 - 1839.
- iii P. Balasubramaniam, **J. Abdul Samath** and N. Kumaresan, Solution of matrix Riccati differential equation for the non-linear quadratic singular system using neural networks, *Applied Mathematics and Computation*, USA , 187(2) (2007), 1535-1543
- iv P. Balasubramaniam, **J. Abdul Samath** and N. Kumaresan, Neuro Approach for solving Matrix Riccati Differential Equations, *Neural, Parallel and Scientific Computations*, USA , 2(2007) 125-135
- v **J. Abdul Samath** and N. Selvaraju, Solution of matrix Riccati differential equation for nonlinear singular system using neural networks, *International Journal of Computer Applications*, 1(29) (2010) 49-55.
- vi **J. Abdul Samath**, P. Senthil Kumar and Ayisha Begum, Solution of Linear Electrical Circuit Problem Using Neural Networks, *International Journal of Computer Applications*, 2(1) (2010) 6-13.
- vii P. Ambika, V. Sathya and **J. Abdul Samath**, Content based Image Retrieval using Color Metric Histogram and support Vector Machine (SVM), *Advances in Theoretical and Applied Mathematics*, 6(2) (2011) 129 – 137.
- viii P. Ambika and **J. Abdul Samath**, Fusion Approach for Content Based Image Retrieval by Utilizing Content and Model Annotations, *Asian Journal of Information Technology*, 12(10) (2013) 325-328.
- ix P. Ambika and **J. Abdul Samath**, Unsupervised Neural Network for Content Based Image Retrieval by Utilizing Content and Model Annotations, *Research Journal of Information Technology*, 5(3) (2013) 468 – 472.

- x Sathya V, **Abdul Samath J**, Survey On Vehicle and Toll Plaza for National Highways in India, ***International Journal of Engineering and Computer Science***, 2(9) (2013) 2823 – 2837.
- xi V Sathya, **J Abdul Samath**, Automatic Toll Collection Centre (ATCC) using GSM / GPS Proposal for Indian Toll Booths, ***International Journal of Computer Science and Technologies***, 1(1) (2013) 11 – 16.
- xii Ponnusamy Parameswari, **J Abdul Samath** and Saranya P, Efficient Birch Clustering Algorithm for Categorical and Numerical Data using Modified Co-Occurrence Method. ***International Journal of Applied Engineering Research***,(10)(2015)27661-27673.
- xiii P. Parameswari and **J. Abdul Samath**, QOS Based Web Service Ranking Using Fuzzy C-means Clusters, ***Research Journal of Applied Sciences, Engineering and Technology***, 10(9)(2015)1045-1050.
- xiv M. Y. Mohamed Parvees, **J. Abdul Samath** and B. Parameswaran Bose, Secured Medical Images - A Chaotic Pixel Scrambling Approach, ***Journal of Medical Systems*** (ISSN: 0148-5598), (**SCI Impact Factor: 2.456**), Vol. 40: 232, November, 2016 (DOI: 10.1007/s10916-016-0611-5).
- xv M. Y. Mohamed Parvees, **J. Abdul Samath** and B. Parameswaran Bose, Confidential Storage of Medical Images - A Chaos Based Encryption Approach, ***International Journal of Cloud Computing***, Inderscience Publishers (Accepted).
- xvi M. Y. Mohamed Parvees, **J. Abdul Samath**, I. Kaspar Raj, and R. Madhavan Nirmal, Chaos-Based Steganocryptic Approach to Protect Medical Images with Text Data of Patients, ***Journal of Medical Imaging and Health Informatics***, (ISSN: 2156-7018), (**SCI Impact Factor: 0.621**) Vol.7, No.1, 118–125, February, 2017 (DOI: 10.1166/jmihi.2017.1993).
- xvii M. Y. Mohamed Parvees, **J. Abdul Samath** and B. Parameswaran Bose, Medical Images are Safe – An Enhanced Chaotic Scrambling Approach, ***Journal of Medical Systems*** (ISSN: 0148-5598), (**SCI Impact Factor: 2.456**), Vol. 41: 167, September 2017 (DOI: 10.1007/s10916-017-0809-1).
- xviii M. Y. Mohamed Parvees, **J. Abdul Samath** and B. Parameswaran Bose, Protecting large size medical images with logistic map using dynamic parameters and key image, ***International Journal of Network Security*** (ISSN: 1816-353X) (**SCOPUS**), Vol. 19, No. 6, 984-994, November 2017 (DOI: 10.6633/IJNS.201711.19(6).15).

Annexure II

PAPER PRESENTED IN CONFERENCES / SEMINARS

INTERNATIONAL LEVEL

- [1]. P. Balasubramaniam and **J. Abdul Samath**, A neuro approach to solve differential algebraic equation in **International conference on Scientific computation. Numerical Analysis and Applications** held from July 18-21, 2005 at the Department of Mathematics, Indian Institute of Science(IISc), Bangalore, India.
- [2]. **J. Abdul Samath**, P. Balasubramaniam and N. Kumerasan, Solution of algebraic matrix Riccati equation using simulink and neural networks in **IEEE-International conference on signal and image processing** held from December 7- 9, 2006 at B V Bhoomaraddi College of Engineering and technology, Hubli, Karnataka, India.
- [3]. **J. Abdul Samath**, P. Balasubramaniam, Solution of differential – algebraic equation using neural networks in **International Conference on Computational Intelligence and Multimedia Applications**, held from December. 13-15, 2007 at Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu, India.

NATIONAL LEVEL

- [1]. P. Balasubramaniam, **J. Abdul Samath** and A. Vincent Antony Kumar, Neural network Back Propagation algorithm for delay differential equations in the Second National Conference on Mathematical and Computational Models(NCMCM), held during Dec. 11 - 12, 2003 at PSG College of technology, Coimbatore -641 004.
- [2]. A. Vincent Antony Kumar and **J. Abdul Samath**, Approximation of Volterra Integral Equations of the second kind using neural networks in UGC sponsored National Conference on Recent Trends in Computational Mathematics (NCRTCM) held during Mar. 18-19, 2004 at Gandhigram Rural Institute, Gandhigram
- [3]. P. Balasubramaniam and **J. Abdul Samath**, Optimal stabilizing quadratic control of an inverted pendulum using neural networks in UGC-SAP(DRS)National Conference on Computing and Mathematical Modeling held during 25-26, March 2005 at Gandhigram Rural Institute, Gandhigram.
- [4]. **J. Abdul Samath** and P. Balasubramaniam, Solving Riccati differential equation using simulink, in UGC – SAP (DRS) National Conference on Mathematics, Computing and Modeling held during 3 – 4, March 2007 at Gandhigram Rural Institute, Gandhigram.