

## Faculty Profile



<b>1. Name of the Faculty</b>	:	Dr.S.Sujatha
<b>2. Department and Designation</b>	:	MCA & Associate Professor
<b>3. Date of Joining</b>	:	01.06.2007
<b>4. Faculty ID</b>	:	TF0150
<b>5. E-mail Address</b>	:	sujathaaut@gmail.com
<b>6. Date of Birth</b>	:	03.06.1970
<b>7. Qualification</b>	:	MCA, PhD
<b>8. Specialization</b>	:	Distributed Computing, Data Mining, Mobile Computing, Big data, Cloud Computing.

### **PROFESSIONAL EXPERIENCE**

- Working as an Associate Professor, University College of Engineering, Tiruchirappalli, from 02-12-2009 to till date.
- Worked as a Lecturer, Anna University of Technology, Tiruchirappalli, from 01-06-2007 to 01-12-2009.
- Worked as a Lecturer , RMK Engineering College, Kavarai pettai, Chennai from 16-09-2004 to 05-08-2005.
- Worked as a Lecturer, KSR college of Arts & Science , Tiruchengodu, Erode from 13-10-1997 to 14-09-2004.
- Worked as a Lecturer, Nagamalai Navarasam College of Arts & Science, Erode from 19-05-1995 to 30-04-1996.

#### **10) Research Guidance:**

- 1. Ph.D Awarded : 05
- 2. Ongoing Research : 08
- 3 .P.G Students guided
  - i) MCA : 40
  - ii) ME :10

**11.Awards and Honours :**

**12. Sponsored Projects :**

DST Sponsored 10 Days Training Programme On “Big Data Analytics” During 14/07/2016 To 23/07/2016 At Bharathidasan Institute Of Technology Tiruchirappalli, Sanction Amount Rs.600000/-.

**13. Patents :**

**14. Publications :**

#### **(I) INTERNATIONALLY REFERED JOURNALS :**

1. **Masoodhu Banu, NM, Sujatha, S, Al-Sakib Khan Pathan 2015**, ‘Skip Block based Distributed Source Coding for Hyper spectral Image Compression’, Multimedia Tools and Applications, Springer publication, Vol 75,Issue no :18,August 2015, PP: 11267-11289 ISSN: 1380-7501. IF: 1.53
2. **Masoodhu Banu, NM, Sujatha, S 2015**,‘3D Medical Image Compression: A Review’, Indian Journal of Science & Technology, Vol8, issue no :12,June 2015, PP, 1-9, ISSN: 0974-6846 . IF: 0.68
3. **Masoodhu Banu, NM, Sujatha, S,Al-Sakib Khan Pathan 2015**,‘Improved tampering detection for image authentication based on image partitioning’, Wireless Personal Communication , Springer publication, APR 2015 Vol 75, Issue no :18,Aug 2015, PP 69-85, ISSN:09296212, IF: 0.951
4. **Loganayagi, B & Sujatha, S 2014**, ‘Secure Cloud Computing Services using Virtualization and Service Policy Monitoring Techniques’, Journal of Convergence Information Technology, vol.9,no.1, pp.33-44, 2014. (Version 2013.2.1)S. No: 9947) IF: 0.529.

5. **Loganayagi, B & Sujatha, S 2011**, 'Improving Cloud Security through Virtualization', Communications in Computer and Information Science, Springer Verlag, vol. 204, pp.442-452.(Version 2013.2.1) S. No: 3769) SNIP: 0.14
6. **Loganayagi, B & Sujatha, S 2011**, 'Enhancing Cloud Security through Policy Monitoring Technique' Communications in Computer and Information Science, Springer Verlag, vol. 250, pp.270-275.(Version 2013.2.1) S. No: 3769) SNIP: 0.190
7. **Loganayagi, B & Sujatha, S 2011**, 'Enhanced Cloud Security by Combining Virtualization and Policy Monitoring Techniques' ,Procedia Engineering, Elsevier BV, vol.30, pp. 654-661. (Version 2013.2.1) S. No: 15420) SNIP: 0.314
8. **R. Nagarajan, A. Velanganni Joseph and S. Sujatha, 2015** "Behavioural Aspects of Software Project Management - In-House Software Development", Indian Journal of Science and Technology, Vol 8(S3), 1–9, February 2015. ISSN (Print) : 0974-6846. IF: 1.63
9. **Prabakaran, R, Sujatha, S, Sivaraman, R & Jenniferviola, X 2013**,"Improved Time Triggered Hybrid Scheduling Algorithm for an Embedded Systems", Information-an International Interdisciplinary journal, Volume 10, NO.16, pp. 7677-7678, ISSN: 1343-4500. IF: 0.358
10. **K.Adlin Suji, S.Sujatha, 2014**, : A Comprehensive Survey of Web Service Choreography, Orchestration And Workflow Building, IJCA, ISBN : 973-93-80880-43-2, Volume88 , Issue no 13 , ISSN 15413-3911, IF-0.715.
11. **K.Adlin Suji, S.Sujatha, 2014**: Flexible Tradeoff Based Real Time Service Selection Process Based On Priorities and User Preferences, Advances in Natural and Applied Sciences, Vol 8, Issue No: 16, Special 2014, Pages: 54-59, ISSN:1995-0772 SJIF 2.698.
12. **K.Adlin Suji, S.Sujatha, 2016**: Enhanced QoS based Service Selection and Service Orchestration using DPSOSA Proceedings of 2016 International Conference on Innovations in information, Embedded and Communication Systems (ICIIECS)- Extended Version Accepted for Publication in IJEAT.
13. **C.D.Karthick, S. Sujatha, V. Praveenkumar 2012**: Dynamic Cloud Discovery Framework For Deploying of Scientific Computing Services over a Multi-Cloud Infrastructure, Journal of Artificial Intelligence, Sep 2012, ISSN no: 19945450 ,IF-0.715.
14. **S. Sujatha, A. Krishnan, V. Ramachandran, 2009**: An Enhanced and Secure Messaging Architecture for a Distributed E-business Environment. **International Journal of Electronic Business**, 287- 300,Inderscience Publications ISSN no : 1470-6067, impact factor : 0.5.

15. **R.Sivaraman, S.Sujatha, R.Prabakaran 2009** Reliable Shared Record Storage By Using JavaME, International Journal of Computer Science and Network Security, Vol 9, issue No.7,July 2009. IF- 0.5
16. **R.Sivaraman, R.Prabakaran, S.Sujatha 2009** Dynamic Multimedia Content Retrieval System in Distributed Environment, International Journal of Computer Science and Information Security,(IJCSIS) Vol 4,No.1,
17. **K. Subha, S. Sujatha** Anti-Theft Tracking System for Smart Phones, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 5, May 2016 ISSN: 2277 128X pp. 134-138. IF- 0.6
18. **A. Dineshkumar S. Sujatha** , smart searching for students career guidance ,international journal for science and advance research in technology, Volume 2,Issue 6 in June 2016, ISSN 2395-1052.
19. **J.Prasath , S.Sujatha** , “A mobile chatting Application via Bluetooth Techniques”, IJSR CSEIT journal – International Journal of Scientific Research in Computer Science , Engineering and Information Technology”, **May 2017**, Volume 2, issue no 3 ISSN 2456-3307 . SJIF 4.5
20. **N.Amutha, S.Sujatha**, Secure Data De-Duplication on 2PVC Algorithm in Web Services”, IRJET journal – International Research Journal of Engineering and Technology **APR 2017**, Volume 4, issue no 4 ISSN no: 2395-0056, ESAT publishing house, SJIF 6.1

## **(II) NATIONAL JOURNALS :**

## **(III) INTERNATIONAL CONFERENCES :**

1. **Loganayagi, B , Sujatha, S 2010**, ‘Creating Virtual Platform forCloud Computing’, IEEE International Conference On Computational Intelligence and Computing Research, ICCIC,pp.1-4.,TCE, Coimbatore. ISBN:978-1-4244-5966-7.
2. **Loganayagi. B, Sujatha.S, 2011**,“Cloud Computing in STAX Platform”, IEEE International Conference on Computer, Communication and Electrical Technology, ICCET 2011, pp.1-5, 18-19 Mar. 2011 , NCE, Tirunelveli.
3. **Loganayagi. B, Sujatha.S,2011** “Improving Cloud Security through Virtualization”, First International conference on Computer Science and Information Technology (CCSEIT-2011), 23-25 Sep. 2011, MSU, Tirunelveli, Springer Publications, CCIS, vol 204, pp.442-452.
4. **Loganayagi. B, Sujatha.S, 2011**“Enhancing Cloud Security through Policy Monitoring Technique”, International Conference on Computational Intelligence and Information Technology – CIIT 2011, 07-08 Nov. 2011, Pune, India, Springer Publications, CCIS, vol 250.

5. **Loganayagi. B, Sujatha.S,2011** “Enhanced Cloud Security by Combining Virtualization and Policy Monitoring Techniques”, International Conference on Communication Technology and System Design, ICCTSD 2011, 07-09 Dec.2011, Amrita School of Engineering, Coimbatore.
6. **A Selvaraj, S Sujatha, 2010** “Particle Swarm Optimization Based On Optimal Segmentation For Personalization Solutions : The International Conference Computational Systems and Communication Technology 2010 pp 30- 34.Tirunelveli
7. **M.SaravanaKarthikeyan, M.Murali, S.Sujatha,2010** : Identifying Performance Metrics to Maximize Throughput International Multiconference of Engineers and Computer Scientists 2010 PP : 357-359 ISBN: 978-1-4244-7154-6.
8. **Sujatha S, Subatharini V, 2015** Secure Authorization Deduplicaiton And Data Security Using AES Algorithms, International Conference On ICON'15, PP: 78-82, 2015, Kanyakumari.
9. **S Sujatha, R Guna , 2015** A Novel Reversible Data Hiding Approach Encrypted Video Streams International Conference Multicon'15,Muthayammal Engineering College, Rasipuram.
10. **Sujatha S, Karunkumar K,2015** Privacy Preserving Public Auditing Using TPA in Web Services Proceeding of International Conference multicon'15 Muthayammal Engineering College, Rasipuram.
11. **M Murugan, S Sujatha, 2015** Healthcare Management System, International Conference On Multicon'15 Muthayammal Engineering College, Rasipuram.
12. **S Sujatha, D Suganya, 2015** Effective Barcode Analysis in Mobile Book Shop Environment, International Conference on Multicon'15 ISSN: 978-81-929742-1-7 2015 191-195.

#### **(IV) NATIONAL CONFERENCES**

#### **(V) BOOKS PUBLISHED WITH ISBN NUMBER/ISSN NUMBER**

#### **15. Conferences/Workshops/Seminar/ Short Term Refresher Course Attended:**

1. Introduction To Design Algorithms During 27/04/2015 To 30/05/2015 Organized By Indian Institute Of Technology Kharagpur At Regional Centre Of Anna University Tirunelveli National Mission On Education Through ICT MHRD.
2. Four Week Faculty Development Programme On Use Of ICT In Education For Online And Blended Learning During 02/05/2016 To 10/07/2016 At Indian Institute Of Technology Bombay at National College Of Engineering Tirunelveli.

3. Two Week TEQIP-II Sponsored Faculty Development Programme on Recent Trends And Application of Mathematics In Computing During 08/06/2016 To 21/06/2016 at Bharathidasan Institute Of Technology Tiruchirappalli.
4. International Conference on Computational Systems and Communication Technology (CSCT) , During 08-05-2010 To 08-05-2010 Text Based Dynamic Content Categorization On Reuters Medical Systems Cape Institute Of Technology CIT India.
5. International Conference on Computational Systems and Communication Technology (CSCT) During 08-05-2010 To 08-05-2010 Efficient Ranking Algorithm For Semantic Web Search Engines Cape Institute Of Technology CIT India.
6. International Conference on Computational Systems and Communication Technology (CSCT) During 08-05-2010 To 08-05-2010 Particle Swarm Optimal Segmentation For Personalization Solution Cape Institute Of Technology CIT India

**16. Conferences/Workshops/Seminar Organised :**

1. Tech-Gyan'10, A National Level Technical Symposium Conducted by Department Of Computer Applications Anna University Of Technology Tiruchirappalli was held on 6<sup>th</sup> October 2010.
2. Two Days Workshop on Pervasive Computing Technologies was conducted by the Department Of Pervasive Computing Technologies Under CCT at Anna University Of Technology Tiruchirappalli was held on 21<sup>st</sup> And 22<sup>nd</sup> February 2011.
3. Two Days National Conference (EMCA'11) Conducted By Department Of Computer Applications During 10/04/2011 To 11/04/2011 at Anna University Of Technology Tiruchirappalli..

**17. Other contribution (if any ) :**

1. Course Coordinator, Centre for Distance Education, BIT Campus Anna University Tiruchirappalli from the year 2014 to tilldate.
2. Sports Coordinator, Department of Computer Applications, BIT Campus Anna University Tiruchirappalli from the year 2014 to tilldate.
3. Deputy warden – Ladies Hostel Anna University ,Tiruchirappalli from Dec 2009 To 2012.
4. Associated Professor and Head, Department Of Computer Applications from Dec2009 to July 2014.

**Signature**

**HOD**

**Dean**