

Name : Ms. Feminna Sheeba

Designation : Assistant Professor

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S.No	Particulars																								
1	Educational Qualification: MCA, (Ph.D)																								
	<table border="1"><thead><tr><th>Degree</th><th>Major</th><th>Class</th><th>College, University</th><th>Year of passing</th><th>Percentage</th></tr></thead><tbody><tr><td>Ph.D</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>MCA</td><td>Computer Applications</td><td>II</td><td>College of Engineering Anna University</td><td>1990</td><td>71</td></tr><tr><td>B.Sc</td><td>Physics</td><td>I</td><td>Scott Christian College Madurai Kamraj University</td><td>1987</td><td>83</td></tr></tbody></table>	Degree	Major	Class	College, University	Year of passing	Percentage	Ph.D						MCA	Computer Applications	II	College of Engineering Anna University	1990	71	B.Sc	Physics	I	Scott Christian College Madurai Kamraj University	1987	83
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2	Courses taught at MCC: a. . Problem Solving using C b. . Data Structures and Algorithms c. . .NET Technology d. . Microprocessor Systems and Applications e. . Multimedia																								
3	Administrative Experience, if any, in MCC: a. . Placement Coordinator of the Department of Computer Science since 1995. b. . Internship Coordinator of the India Window Program (IWP) of Sungkonghoe University, South Korea, 2017.																								
4	Orientation Course: a. . UGC sponsored Orientation Course (26 th batch) conducted by the Academic Staff College of University of Madras in from May 5, 1994 to June 1, 1994																								
5	Refresher Courses: a. . UGC sponsored Refresher Course conducted by Sri Chandrasekharendra Saraswathi Viswa Maha Vidhyalaya, Deemed University, Enathur, Kancheepuram from August 16, 2004 to September 5, 2004 b. .																								

6	<p>Papers presented in National Conferences / Seminars:</p> <ol style="list-style-type: none"> a. . Presented a paper on <i>ICT – Soft Skills Development in College Students through the Media</i>, in 'Campus 2010' a National Seminar on Information and Communication Technology with Human Face held in Loyola College, Chennai on February 6-7, 2006.
7	<p>Papers presented in International Conferences / Seminars:</p> <ol style="list-style-type: none"> a. . ‘Segmentation and Watermarking of Peripheral Blood Smear Images’ in the 5th IEEE Conference Bio-Inspired Computing – Theory and Applications BICTA 2010, Liverpool Hope University, UK, September 8-10, 2010, b. ‘White Blood Cell Segmentation and Reversible Watermarking’, in the IASTED International Symposia on Imaging and Signal Processing in Healthcare and Technology (ISPHT) 2011, Washington DC, USA in May 16-18, 2011. c. ‘Detection of Plasmodium Falciparum in Peripheral Blood Smear Images’ in the International Conference Bio-Inspired Computing – Theory and Applications (BICTA) 2012, ABV-IITM, Gwalior, India, Dec. 14 - 16, 2012 d. ‘Automated Analysis of Peripheral Blood Smear Images’ in the International Conference on Pattern Recognition Applications and Techniques (ICPRAT 2013), Meenakshi College, Chennai, March 1-2, 2013. e. ‘Convex Hull Based Detection of Overlapping Red Blood Cells in Peripheral Blood Smear Images’ in the 7th WACBE World Congress on Bioengineering 2015 in National University of Singapore, Singapore, July 6-8, 2015 f. ‘ Segmentation of Overlapping Gametocytes of P.falciparum using the Active Contour Model’ in the 17th International Workshop on Combinatorial Image Analysis (IWCIA) 2015, Nov 24-27, 2015
8	<p>Publications:</p> <p>Journals</p> <ol style="list-style-type: none"> a. Feminna Sheeba, Atulya K. Nagar, Robinson Thamburaj, Joy John Mammen, Segmentation of Peripheral Blood Smear Images Using Tissue-Like P Systems, International Journal of Natural Computing Research, 3(1), 16-27, January-March 2012. b. Joy J. Mammen, Maqlin P., Feminna Sheeba, T. Robinson, Making Malarial Diagnosis More Reliable: Using Image Analysis for Identification of Plasmodium Falciparum Gameotcytes, Journal of Pathology Informatics [serial online] 2011 [cited 2012 Feb 29]; vol.2:43e, pp. s19-20.

- c. Joy J. Mammen, S. Dibose Raj, Feminna Sheeba, T. Robinson, Utilizing Steganographic Techniques to Embed Metadata in Gross Images in the Pathology Laboratory, *Journal of Pathology Informatics* [serial online] 2011 [cited 2012 Feb 29], vol.2:43g, pp. s37-38.
- d. Feminna Sheeba, Robinson Thamburaj, Joy Michael, P Maqlin, Joy Mammen, Segmentation of Sputum Smear Images for Detection of Tuberculosis Bacilli, *BMC Infectious Diseases* 2012, 12 (Suppl 1):O14 (4 May 2012), Impact factor 3.12.

International Conference Proceedings

- e. Feminna Sheeba, Hannah Thomas, Joy John Mammen, ‘Segmentation and Watermarking of Peripheral Blood Smear Images’ in the Conference Proceedings of the 5th IEEE Conference Bio-Inspired Computing – Theory and Applications BICTA 2010, Liverpool, UK, p. 1373-1376
- f. Feminna Sheeba, Robinson Thamburaj, Joy J. Mammen, Hannah M. Thomas, Atulya K. Nagar, White Blood Cell Segmentation and Reversible Watermarking, Conf. Proceedings of IASTED International Symposia on Imaging and Signal Processing in Healthcare and Technology (ISPHT) 2011, Washington DC, USA, 10.2316/P.2011.737-021.
- g. Sheeba F., Thamburaj, R., Nagar, A.K., Mammen, J.J., Segmentation of Peripheral Blood Smear Images Using Tissue-Like P Systems, Conf. proceedings of the 6th International Conference Bio-Inspired Computing – Theory and Applications (BICTA) 2011, Penang, Malaysia, pp.257-261.
- h. Feminna Sheeba, Robinson Thamburaj, Joy Mammen, Image Authentication using Reversible Watermarking, Conf. Proc. of the International Conference on Mathematics in Engineering and Business Management (ICMEB) 2012 conducted by Stella Maris College and Loyola Institute of Business Management, Chennai, vol 2: pp. 408-410.
- i. Feminna Sheeba, Robinson Thamburaj, Joy John Mammen, Atulya K. Nagar, Detection of Plasmodium Falciparum in Peripheral Blood Smear Images, Conf. Proc. of the International Conference Bio-Inspired Computing – Theory and Applications (BICTA) 2012, ABV-IITM, Gwalior, India,
- j. Feminna Sheeba, Robinson Thamburaj, S. Kulasekaran, Timothy Crocker, Automated Analysis of Peripheral Blood Smear Images, Conf. Proc. of the International Conference on Pattern Recognition Applications and Techniques (ICPRAT 2013), Meenakshi College, Chennai, pp. 142-147
- k. Feminna Sheeba, Robinson Thamburaj, Joy John Mammen, Atulya K. Nagar, Splitting of Overlapping Cells in Peripheral Blood Smear Images by Concavity Analysis, Conf. Proc. Of the 16th International Workshop, IWICIA 2014, Brno,

	<p>Czech Republic, pp. 238-249, ISBN: 978-3-319-07147-3, DOI: 0.1007/978-3-319-07148-0_21, Series title: Lecture Notes in Computer Science, Volume: 8466, Series ISSN: 0302-9743</p> <p>l. Feminna Sheeba, Robinson Thamburaj, Joy John Mammen, Mohankumar, Vansant Rangslang, Convex Hull Based Detection of Overlapping Red Blood Cells in Peripheral Blood Smear Images, IFMBE Proceedings, 7th WACBE World Congress on Bioengineering 2015, vol. 52, pp. 51-53, DOI: 10.1007/978-3-319-19452-3_15, ISBN: 978-3-319-19451-6 (Print) 978-3-319-19452-3 (Online)</p> <p>m. Feminna Sheeba, Robinson Thamburaj, Joy John Mammen, R. Nithish, S. Karthick, Detection of Overlapping Tuberculosis Bacilli in Sputum Smear Image, IFMBE Proceedings, 7th WACBE World Congress on Bioengineering 2015, vol. 52, pp. 54-56, DOI: 10.1007/978-3-319-19452-3_15, ISBN: 978-3-319-19451-6 (Print) 978-3-319-19452-3 (Online)</p> <p>n. S. Kulasekaran, Feminna Sheeba, Joy John Mammen, B. Saivigneshu, S. Mohankumar, Morphology Based Detection of Abnormal Red Blood Cells in Peripheral Blood Smear Images, IFMBE Proceedings, 7th WACBE World Congress on Bioengineering 2015, vol. 52, pp. 57-60, DOI: 10.1007/978-3-319-19452-3_15, ISBN: 978-3-319-19451-6 (Print) 978-3-319-19452-3 (Online)</p> <p>o. S. Kulasekaran, Feminna Sheeba, B. Saivigneshu, C. Dayalan, P. Cyril Rex, Medical Image Encryption using Block-based Scrambling and Discrete Wavelet Transform, IFMBE Proceedings, 7th WACBE World Congress on Bioengineering 2015, vol. 52, pp. 61-63, DOI: 10.1007/978-3-319-19452-3_15, ISBN: 978-3-319-19451-6 (Print) 978-3-319-19452-3 (Online)</p> <p>p. Feminna Sheeba, Robinson Thamburaj, Joy John Mammen and Atulya K. Nagar. Segmentation of Overlapping Gametocytes of P.falciparum using the Active Contour Model, RPS Proceedings, 17th International Workshop on Combinatorial Image Analysis (IWCIA) 2015</p>
9	<p>Books Authored: -</p> <p>a. .</p> <p>b. .</p> <p>c. .</p> <p>d. .</p> <p>e. .</p> <p>f. .</p>
10	<p>Resource Person in Conferences:</p> <p>a.</p> <p>b. .</p> <p>c. .</p>

11	<p>Resource person in Workshops / Others:</p> <ul style="list-style-type: none"> a. Resource Person for the Technical Session on ‘RFID Implementation in Libraries – Data Model, Integrity and Security’ in the National Workshop organized by CSI and Allahabad Agricultural Institute (AAI), in AAI on Nov 3, 2007. b. Resource Person in the One day International Workshop on ‘Web Designing made Simple’ on Sep 21, 2016 conducted by the Department of Computer Science, CSI Ewart Women’s Christian College, Melrosapuram, Kancheepuram Dt and delivered a talk on ‘Soft Skills needed for Web Designing’
12	Recognition as Research Supervisor for M.Phil and Ph.D.: -
13	Other Distinctions: