

**Aditanar College of Arts and Science
Virapandianpatnam – 628216
Tiruchendur
Bio - Data**



Name of the Department : Computer Science (SF)

Name of the faculty member : Dr. R. SAHAYA JEYA SUTHA

Qualification : MCA, M.Phil., Ph.D., SET.,

Present Designation : Assistant Professor

Vidwan id : 251076

Residential Address : 25/4, Middle Street, Adaikalapuram-628 217,
Tiruchendur Taluk, Thoothukudi District.

Contact Nos. : 9843045717

Email : sahayajeyasutha@aditanarcollege.com
suthavenice@gmail.com

Gender : Female

Community : BC

Date of Birth and Age : 15.02.1975

Date of joining : 20.07.2018

Date of Retirement : 28.02.2035

I. Particulars of Educational Qualification

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Computer Science	1995	Govindammal Aditanar College for Women, Tiruchendur	Manonmaniam Sundaranar University, Tirunelveli	64.75	I
PG	MCA	Computer Applications	2000	Manonmaniam Sundaranar University Education Centre, Tuticorin	Manonmaniam Sundaranar University, Tirunelveli	64.15	I
M. Phil.	M.Phil.	Computer Science	2006	Manonmaniam Sundaranar University, Tirunelveli	Manonmaniam Sundaranar University, Tirunelveli	57.50	II
Ph.D.	Ph.D.	Computer Applications	2023	St. Xaviers College(Autonomous), Palayamkottai	Manonmaniam Sundaranar University, Tirunelveli	N/A	N/A

II Additional Qualification: **SET (2016)****NET/SLET**

Mother Teresa Women's University

III Title of Ph.D. Thesis

: AN EFFICIENT CONTENT BASED IMAGE RETRIEVAL USING BTC BASED INDEXING METHOD

IV Faculty/Discipline/Subject in which Ph.D. was awarded

: Computer Applications

List of Publications

: (Details Attached in separate sheet)

No. of Candidates Completed Ph.D. under your Guidance

: -

No. of candidates doing Ph.D. under your Guidance

: -

V Academic Experience:

Name of the College	Whether Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Dr.Sivanthi Aditanar College of Engineering, Tiruchendur	S.F.	Lecturer	27.07.09	30.05.12	2	10	3
Dr.Sivanthi Aditanar College of Engineering, Tiruchendur	S.F.	Assistant Professor	01.06.12	04.11.14	2	5	4
Aditanar College of Arts and Science	S.F.	Assistant Professor	20.07.2018	Till date	5	3	0
Total					10	6	7

Part Time Teaching Experience

S.No.	Name of the College / Industry	Designation	From Date	To Date	Experience
1.	Dr.Sivanthi Aditanar Community College, Tiruchendur.	Part-Time Lecturer (For Full-Time Course DCA)	Jun'99	May'00	1 Year
2.	Manonmaniam Sundaranar University, Tuticorin Study Centre.	Lecturer (For Week-End Course - MCA)	Feb'02	Dec'04	3 Years
3.	Indira Gandhi National Open University, Tuticorin Study Centre, V.O.C. College, Tuticorin (Study Centre No: 2507)	Academic Counselor (For Distance Education- MCA, BCA)	Feb'01	Dec'05	5 Years

VI Administrative/other Experience : 13 years

- Aditanar Educational Institutions (AEI) -Websites Content Uploader, since 2006.
- One of the **College ERP coordinator** since January 2021.
- One of the **Alumni website coordinator** since January 2021.
- IQAC acting committee member.
- MSU-Exampro-Department in-charge since 2018.
- **Interpress Computer Education Centre Coordinator** for Engineering & Govindammal Aditanar College for Women – For the academic 2012-13, 2013-14.
- **DrSACOE**-Acted as Internal Quality Auditor from 2012 to 2014.

Software Developed for Aditanar Educational Institutions

1. **Libsoft**- Libray Automation Software - 4 colleges from 2004 (Dr.Sivanthi Aditanar College of Engineering, Education, Teacher training and Nursing college).
2. **sIs**- Students Information System - All departments of Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, since 2001.
3. **SAS**-Students Attendance System, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, from 2001 to 2014.
4. **TC** Software, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, software developed, installed and maintained from 2006 to 2018.
5. **Online exam** software used for association online quiz events.
6. New website developed for Dr. Sivanthi Aditanar Teacher Training Institute and launched on 28-01-2017.

VII Other Relevant Information :

- **Qualified ISO Internal Auditor** - Certified ISO 9001:2008 “Internal Quality Auditor Training Course” delivered by AL BURAQ CONSULTANCY on 10-11-2011.
- Life member of Indian Society for Technical Education (ISTE) since 2010.
- **Delivered Guest Lectures: 12 Nos.**
- **Attended Seminars, Workshop: 70 Nos.**
- **DrSACOE-College Day/VetriNitchayam -Documentary video committee in-charge** (Academic Year 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15, 2015-16, 2016-17).
- **Photoshop designer** for college/ department events since 2001.
- **Department Association Coordinator -1.** Association of Sivanthi Computer Innovative Inventors (ASCII) – For the academic year 2012-13, 2013-14, 2014-15. **2.** Computer Science(SF)-2023-24.
- **Acted as Anna University Representative (AUR) for conducting examinations at other colleges 2013,2014.**
- **Question Paper Setter** for Alagappa University since 2018.
- Acted as External Examiner for conducting the Practical Examination/ Project Assessment in CBSE school.
- **Acted as Examiner** in University Paper valuation- Anna University (2011-2014) and Manonmaniam Sundaranar University (since 2019).
- 11.05.2020 to 15.05.2020 received **Quiz topper** certificate in the five-day Online FDP on “PHP and MySQL” organized by the Department of Computer Science and Engineering of Vellore Institute of Technology (VIT), Chennai.

NPTEL Online Certification Course

1. Completed a **NPTEL Online Certification Course** on “Digital Image Processing” Organized by Indian Institute of Technology, Kharagpur during the period July to October 2016.
2. Completed a **NPTEL Online Certification Course** on “Medical Image Analysis” Organized by Indian Institute of Technology, Kharagpur during the period February to March 2017.

Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings

Title of the Chapter/ paper	Name of the authors	Title Of The Book/ Proceed ings Of The Confere nce	Name of the conference	National/ International	Year of publicati on	ISBN number of Book/ proceedi ngs	Publisher/Affili ating Institute at the time of Publication
Immersion-based Watershed Transformat ion Applied to Image Segmentati on	R. Sahaya Jeya Sutha	Toward s Innovati ve Technol ogies	MEPCOIT'09	NATIONAL CONFERENCE	13-03-2009		Department of Information Technology, Mepco Schlenk Engineering College, Sivakasi
Watershed Transformat ion Algorithm for Image Segmentati on	R. Sahaya Jeya Sutha	Advanc ed Computi ng & Intellige nt System	NACIS-2009	NATIONAL CONFERENCE	17 th March 2009		Department of Computer Science & Engineering, Dr.Sivanthi Aditanar College of Engineering , Tiruchendur
Multispectra l Satellite Image processing for forest and wetland regions monitoring using GRID Implementat ion	R. Sahaya Jeya Sutha & R. Selvi	Innovati ons In Manage ment & Comput er Applicati ons	NIMCA 2012	NATIONAL CONFERENCE	22nd February 2012.		Dr.Sivanthi Aditanar College of Engineering , Tiruchendur
Retrieval of images from multimedia database using Query by Sketch	R. Sahaya Jeya Sutha	Recent Trends In Advance d Computi ng And Commun icatiions	RTACC'13	NATIONAL CONFERENCE	5th April 2013		MahakaviBharat hiar College of Engineering and Technology Department of Computer Science and Engineering.
Detecting and classifying frames in videos Discriminative feature	R. Sahaya Jeya Sutha	Advanc es In Computi ng And Informat ion Technol		NATIONAL CONFERENCE	12th April 2013		Department of Information Technology, Dr. Sivanthi Aditanar college of Engineering, Tiruchendur.

Title of the Chapter/ paper	Name of the authors	Title Of The Book/ Proceedings Of The Conference	Name of the conference	National/ International	Year of publication	ISBN number of Book/ proceedings	Publisher/Affiliating Institute at the time of Publication
based Algorithm		ogy					
An Overview of Content Based Image Retrieval Techniques	R.Sahaya Jeya Sutha, Dr.D.S. Mahendran, Dr. S.John Peter	Recent Trends In Computer Science, Applications & Engineering	NCRTCAE-17	NATIONAL CONFERENCE	3 rd March 2017	ISBN: 978-81-922142-7-6	Department Of Computer Science and Applications, Thiruvalluvar University Constituent College of Arts and Science, Attupakkam, Arakkonam.
Content Based Image Retrieval in Compressed Domain	R.Sahaya Jeya Sutha	Advanced Trends In Computer Science And Engineering	NCATCSE'2K18	NATIONAL CONFERENCE	28 th March 2018		Department of Computer Science Engineering and CSI Students Chapter of Dr. Sivanthi Aditanar college of Engineering, Tiruchendur.
A Review on Feature Extraction Techniques for CBIR with different BTC methods	R.Sahaya Jeya Sutha, Dr.D.S. Mahendran, Dr. S.John Peter	Recent Trends In Multi-Disciplinary Research	ICRTMDR - 18	INTERNATIONAL CONFERENCE	20th-21st December 2018	ISSN: 2349-5162 ISBN:978-81939399-6-3	A.P.C.Mahalaxmi College for Women, Tuticorin and Institute for Engineering Research and Publication (IFERP).
An efficient Content Based Image Retrieval using Block Truncation Coding	R.Sahaya Jeya Sutha, Dr.D.S. Mahendran, Dr. S.John Peter	Cognitive Science	NCCS2019	NATIONAL CONFERENCE	11.10.2019		Department of Computer Science of Aditanar College of arts and science college, Tiruchendur.
An improved Content Based Image Retrieval using Half-toning Block Truncation Coding	R.Sahaya Jeya Sutha, Dr.D.S. Mahendran, Dr. S.John Peter	Advanced Trends In Computer Science And	NCATCSE 2K21	NATIONAL CONFERENCE	31.03.2021		Department of Computer Science Engineering and CSI Students Chapter of Dr. Sivanthi Aditanar college

Title of the Chapter/ paper	Name of the authors	Title Of The Book/ Proceed ings Of The Confere nce	Name of the conference	National/ International	Year of publicati on	ISBN number of Book/ proceedi ngs	Publisher/Affili ating Institute at the time of Publication
		Enginee ring					of Engineering, Tiruchendur.
World-wide covid-19 Data Analysis and Prediction	R.Sahaya Jeya Sutha	Advanc ed Trends In Comput er Science And Enginee ring	NCATCSE 2K21	NATIONAL CONFERENC E	31.03.20 21		Department of Computer Science Engineering and CSI Students Chapter of Dr. Sivanthi Aditanar college of Engineering, Tiruchendur.
An Efficient Feature Extraction in Block Truncation Coding Compressed domain for Content Based Image Retrieval	R.Sahaya Jeya Sutha, Dr.D.S. Mahendr an, Dr. S.John Peter	Emergin g Trends In Intellige nt Computi ng	ICoETIC- 2021	INTERNATIO NAL CONFERENC E	11 th - 12 th Augu st 2021.	ISBN: 978-93- 91115-41- 8.	Department of Computer Science, Computer Applications & Information Technology of JP College of Arts and Science, Tenkasi.
Content Based Image Retrieval using Global Feature Descriptors for BTC Compressed images	R.Sahaya Jeya Sutha, Dr.D.S. Mahendr an, Dr. S.John Peter	Recent Researc h In Computi ng-22		NATIONAL CONFERENC E	27 th May 2022		Department of Computer Science and Engineering, SRM Institute of Technology, Ramapuram, Chennai.
Threshold based CBIR using BTC Compression	R.Sahaya Jeya Sutha, Dr.D.S. Mahendr an, Dr. S.John Peter	Data Analytic s	ICDA23	INTERNATIO NAL CONFERENC E	on 26 th and 27 th July 2023		Research Department of Computer Science, Kamaraj College, Tuticorin.

Research papers published in the Journals:

Title of paper	Name of the authors	Name of journal	Volume , Issue, Page No, Year	ISSN number	Is it listed in UGC Care list
Discriminative feature based Algorithm for Detecting and classifying frames in Image Sequences. https://www.ijera.com/papers/Vol3_issue5/CB35446450.pdf	M. Antony Arockia Victoria, R. Sahaya Jeya Sutha	International Journal of Engineering Research and Applications (IJERA)	VOL 3, Issue 5, September-October 2013	ISSN. 2248-9622	YES
An Overview of Content Based Image Retrieval Techniques DOI: 10.20247/IJARTET.2017.04S0403002	R.Sahaya Jeya Sutha, Dr.D.S.Mahendran, Dr.S.John Peter.	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)	Vol. 4, Special Issue 4, March 2017	ISSN:2 250-1797	--
A survey on Block Truncation Coding based Content Based Image Retrieval DOI: 10.26808/rs.ca.i7v6.03 https://dx.doi.org/10.26808/rs.ca.i7v6.03 RS publication	R.Sahaya Jeya Sutha, Dr.D.S.Mahendran, Dr.S.John Peter.	International Journal of Computer Application(I JCA)	Volume 7– Issue No.6, November- December 2017.	ISSN 2250-1797	YES
A Review on Feature Extraction Techniques for CBIR with different BTC methods https://www.jetir.org/papers/JETIRAB06061	R.Sahaya Jeya Sutha, Dr.D.S.Mahendran, Dr.S.John Peter.	International Journal of Emerging Technologies and Innovative Research (www.jetir.org),	Volume 6, Issue 2, February-2019,	ISSN- 2349-5162	YES
An efficient content based image retrieval using Block Truncation Coding DOI: 10.14704/nq.2022.20.8.NQ44087	R.Sahaya Jeya Sutha, Dr.D.S.Mahendran, Dr.S.John Peter.	<i>NeuroQuantology</i>	Volume 20, Issue 8, Page no.812-823, July-2022,	ISSN:1 303-5150	Scopus