Curriculum Vitae

Brief Profile: 1-2 paragraphs

I, Dr. M. Sridevi, working as an Assistant Professor in the Department of Computer Science and Engineering, National institute of Technology, Tiruchirappalli. I have over 15 years of teaching and research experience. I have completed UG in Information Technology (2000 - 2004) and PG in Computer Science & Engineering (2004 - 2006) from Annamalai University. I received Ph.D. degree from National Institute of Technology, Tiruchirappalli, in 2015. My research interest includes Computer vision & Image Processing, Parallel Processing, Virtual reality & Augmented reality, and AI techniques. I have published over 50 research papers in International Journals and Conferences of repute. I have completed various sponsored research projects & consultancy project works and few works are ongoing. I have received faculty fellowship award from TiHAN. IIT Hyderabad. I served in various academic and administrative position and responsibilities of the institute.

1. Name: **M. SRIDEVI**

2. Designation: Assistant Professor (Grade – I)

3. Office Address:

   Department of CSE,

   National Institute of Technology,

   Tiruchirappalli - 620015.

4. Telephone (Direct) (Optional):

   Telephone : 04312503216

5. Email (Primary): msridevi@nitt.edu   Email (Secondary) : m.sridevime@gmail.com

6. Field(s) of Specialization: .   Computer Vision & Image Processing, Computer Graphics, Virtual Reality, Parallel Processing, Machine & Deep Learning Algorithms

7. Employment Profile

Job Title	Employer	From	To
Assistant professor	NIT, Trichy	03.12.2008	Now
Lecturer	Sastra University, Thanjavur	01.06.2007	06.10.2007
Lecturer	Sri Venkateswara College of Engineering, Sriperumbudur, Chennai	06.07.2006	30.4.2007

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/Grade	Subjects
Ph.D	NIT, Tiruchirappalli	2015		Image Processing
M.E	Annamalai University	2006	I class with Distinction	Computer Science
B.E.	Annamalai University	2004	I class	Information Technology
12th	State Board	2000	I class	Maths and Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
IEEE Student branch , NITT	Institute	31.01.2022	Till now
Event Coordinator International Women's Day celebration	Institute	2021 & 2022	
Faculty advisor for Festember	Institute	2020 & 2021	
Faculty advisor for NITTFEST	Institute	2020	
Warden – Opal & Beryl	Institute	21.02.2018	17.11.2021
CSAB Help desk management	Institute	2019 admissions	
Smart India Hackathon - Hospitality committee & Accommodation Coordinator	Institute	Held during 2018, 2019	
Faculty advisor for Delta club	Institute	2017	2021
Member of Convocation and Graduation programmes	Institute	2018	2021
Member of Anti-ragging committee	Institute	2018	2021
Stock Verification officer	Institute	2015 and 2018	
Dept. Industrial Lecture Coordinator	Department	Jan. 2021	July 2021
Dept. Online course Coordinator	Department	Jan. 2021	July 2021
BoS Coordinator	Department	2018	2021
M.Tech Project Committee Member	Department	2014 & 2018	
NBA Work	Department	2009, 2010, 2011, 2012, 2021 & 2022	
M.Tech, M.Tech QIP, MS and Ph.D Admission Committee member	Department	2009	2020
B.Tech Project Committee Member	Department	2010 & 2021	
Department Imprest Handling	Department	2015	Now
Time Table coordinator	Department	2009, July 2010, July 2012, Jan 2015, Jan 2019	
Core Faculty Member	Centre (AI)	17.02.2022	Till now

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Teaching Assistant for "Introduction to Research methodology" workshop	IIT, Bombay	25.06.12	04.07.12
Assessment Committee Member for "State Level Skill Summit Competition"	Ramya Sathianathan Polytechnic College, Pudupatti	26.09.2017	26.09.2017
Handled classes for students of IIIT, Tiruchirappalli	IIIT, Tiruchirappalli	2019, 2020 & 2021	
Stock verification officer	IIIT, Tiruchirappalli	2017	
Judge for Smart India Hackathon	Organized by MHRD at NITT	2019	

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2022	Best performer award	NIT Tiruchirappalli
2022	Best performer award	NIT Tiruchirappalli
2020	Sakura Science Exchange Program participant	Japan Science and Technology (JST)
2020	Best performer award	NIT Tiruchirappalli
2018	Best Paper award	5th International Conference on Advanced Computing, Networking and Informatics
2017	Faculty award for sponsored research projects	NIT Tiruchirappalli

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2021	TiHAN Faculty Fellowship	NMICPS Technology Innovation Hub on Autonomous Navigation Foundation - IIT Hyderabad	Sep. 2021	Aug. 2023

13. Details of Academic Work
   (i) Curriculum Development - Involved in Curriculum Development, established laboratories and BoS coordinator (2018 – 2021)
   (ii) Courses taught at Postgraduate and Undergraduate levels
      - *PG Level* : Computer vision , Video Analytics
      - *UG Level* : Computer Graphics, Augmented and Virtual Reality, Parallel algorithms, Discrete Structures, Image Processing, System Programming, Numerical Computing, Operating Systems, Advanced DBMS, Data

Structures, Combinatorics and Graph Theory, Basics of Programming, Logical foundation for Computer science.

(iii) Projects guided at Postgraduate level
- MS (By research) : 1
- PG projects guided : 22

(iv) Other contribution(s)
- Handled orientation class for 1 year students
- Offered open elective courses
- Purchased GPU machine
- Faculty Advisor for UG & PG – CSE students

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Development of Computer Vision System for an AI assistant	ISRO	January 2022	December 2023	Ongoing
Study and establishing the design guidelines for the real time CAN communication for BHEL E -Bus	BHEL	December 2019	May 2020	Completed
E -Velocity	Fidelity	November 2019	December 2020	Completed
Design and Development of Linux Software Development Kit optimized for e6500 processor architecture	DRDO	August 2019	June 2021	Completed
Design and development of ICT-enabled cloud based mobile application for the self-promotion of products developed by self-help groups	DST	January 2018	January 2020	Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award
Madichetty Sreenivasulu	A study on Detection of Crisis Prone Tweets using Artificial Intelligence Techniques	Supervisor	2021

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/Local)	Role (Participant /Speaker/ Chairperson,Paper presenter)	Event Organized by	Venue
June 29 to July 4, 2009	Summer Term Course on Program Optimization for Multicore Architecture	National	Participant	Dept. of CSE, IITK	IIT, Kanpur
12 Dec., 2011	ACM ICPC Asia Amritapuri Multisite Regionals	International	Coach - Participant	Amrita Vishwa Vidyapeetham, Amritapuri	Amrita Vishwa Vidyapeetham, Amritapuri
Dec. 20 – 22, 2011	International conference on soft computingfor Problem Solving	International	Presenter	IIT, Roorkee	IIT, Roorkee
January 9– 13, 2012	Short term course on Introduction to Forensic Engineering and Failure Analysis	International	Participant	CEA, NITT and University of North Carolina, USA	NITT
Feb 18 – 19, 2012	ISTE workshopon Writing Effective Conference Papers	National	Participant	IIT Bombay	Remote center SASTRA University, Tanjore
February 29 - March 2, 2012	QIP sponsored Workshop on Engineering Optimization using MATLAB& EXCEL	National	Participant	IIT, Guwahati	IIT, Guwahati

25–27 May, 2012	2nd International conference on computer science, Engineering and Applications	International	Presenter	Delhi	Delhi
8th June 2012	Workshop on Support Vector Machines	National	Participant	NITT	NITT
25th June - 4th July 2012	ISTE Workshop on Introduction to Research Methodologies	National	Teaching Assistant	IIT Bombay	Remote center NITT
July 5 – 6, 2012	Workshop on Technical Paper Presentation using LATEX software	National	Participant	NITT	NITT
October 5 – 7, 2012	Workshop on Nuances of Support Vector machines	National	Participant	MBA Dept., NITT	NITT
28 – 29 April 2015	TEQIP Sponsored Conclave on Academic Reforms	National	Participant	NITT	NITT
8 – 13 Aug, 2016	Workshop on Data National Analytics concepts and techniques for business intelligence	National	Participant	CSE & MBA Dept., NITT	NITT
02 March, 2017	Workshop on Training of FPGA based image encryption kit	National	Participant	CSE Dept., NITT	NITT

31st March – 1st April , 2017	International Conference on Frontiers in engineering, Applied Sciences & technology	International	Review & Session Chair	MCA Dept. NITT	NITT
4-9, Dec., 2017	Capacity building of Women Managers in higher Education	National	Participant	NITT	NITT
27- 28 April, 2017	2nd International Conference on Frontiers in engineering, Applied Sciences & technology	International	Review & Session Chair	MCA Dept. NITT	NITT
28 – 30 Dec, 2018	Introduction to Machine Learning and Deep Learning with applications to Engineering systems	National	Participant	CEP office, IITB	IIT, Bombay
23 – 25 April , 2019	Advanced Techniques in Deep learning	National	Participant	CEP office, IITB	IIT, Bombay
6 Aug, 2019	AI from the Data center to the edge – An optimized path using Intel Architecture	National	Participant	CSE, NITT	NITT
11 -15, May 2020	AIP on E – Content Development	National	Participant	NITT	NITT (Online)
19 – 21 Dec., 2020	Predictive Analytics and Predicative Maintenance with Engineering Applications	National	Participant	CEP office, IITB	IIT, Bombay (Online)

04 – 06, Feb. 2021	A study on detection of copy – move forgery in digital images	International	Presenter	3rd International Conference on Intelligent communication technologies and Virtual Mobile Networks	Tirunelveli (Online)
01 – 04 June 2022	Semantic Segmentation using Modified U-Net for Autonomous Driving	International	Presenter	IEEE International IOT, Electronics and Mechatronics Conference	Toronto (Online)

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Artificial Intelligence and Machine Learning Technique for Data Analytics	Workshop - National	15.02.2021 – 19.02.2021	Organizing Secretary	NITT
Self Promotion of SHG products through Thirumathikart	ED programme - Local	17.02.2020 – 21.02.2020	Organizing Secretary	NITT
First International Conference on Secure Reconfigurable Architectures and Intelligent Computing (SRAIC 2019)	Conference - International	28.11.2019 – 30.11.2019	Organizing Secretary	NITT
Capacity Building of Women Faculty in Higher Education	Workshop - National	9.12.2019 – 14.12.2019	Organizing Secretary	NITT
Computational Intelligence for Multimedia	FDP – National	13.05.2019 – 17.05.2019	Organizing Secretary	NITT
Computer Training for the Police Personnel	Training - Local	13.06.2018 – 24.06.2018	Organizing Secretary	NITT
Basics of Programming	Short Term Course – National	11.11.2017 – 15.11.2017	Organizing Secretary	NITT

Introduction to cryptography	Short Term Course – National	01.11.2017 – 05.11.2017	Organizing Secretary	NITT
Introduction to Soft Computing	Short Term Course – National	26.10.2017 – 30.10.2017	Organizing Secretary	NITT
Learning Computer skillset	Short Term Course – National	20.10.2017 – 24.10.2017	Organizing Secretary	NITT
National Workshop of Cryptology (NWC 2017)	Conference - National	28.08.2017 – 30.08.2017	Organizing Secretary	NITT
Introduction to Cryptology	Workshop - National	30.05.2016 – 04.06.2016	Organizing Secretary	NITT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Introduction to Deep learning and its applications – CNN, RNN	02.07.2022	S.A. Engineering College, Chennai
Parallel Architecture Algorithms	11.06.2022	LBS Institute of Technology for Women, Kerala
Reality Technology	01.06.2022	Shanmuganathan Engineering College, Pudukkottai
Machine learning and deep learning technic	27.05.2022	Dr. Mahalingam college of engineering & Technology (IEEE student branch)
Machine Learning Techniques	10.11.2021	Muthayammal Engineering College, Rasipuram
Neural Networks and its applications	27.07.2021	Faculty Training Centre, GCT, Coimbatore
Role of AR & VR in real time applications	07.06.2021	Karunya Institue of Technology and Science
Privacy, Trust & Security in Health care	16.04.2021	NIT, Tiruchirappalli (SPARC sponsored)
Machine Learning – Concepts and Applica	19.04.2021	NIT, Tiruchirappalli
Management Development Programme on E-content Development	25.02.2021	NLC India Limited, Neyveli
Introduction to Machine Learning and its algorithm	21.09.2020	Vellalar College of Engineering and Technology
Computational Intelligence for	12.07.2019	Shanmuganathan Engineering

Multimedia		College, Pudukkottai
Data Structures	11.06.2019	The Institute of Engineers (India), Tiruchirappalli
Computer Graphics	25.07.2016	Kings College of Engineering, Tanjore.
Operating Systems	15.04.2016	MRK Institute of Technology, Kattumannarkoil.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Member	IEEE	96976063 (2021)
Life Member	IEI	M – 1722195 (31.03.2021)

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Tokyo, Japan	26th Jan. 2020 to 1st Feb. 2020	Sakura Science Exchange Program, Japan Science and Technology (JST).

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Sreenivasulu Madichetty and M Sridevi	A Neural-Based Approach for Detecting the Situational Information from Twitter During Disaster	IEEE Transactions on Computational Social Systems	8(4)	870-880	2021	

Sreenivasulu Madichetty and M Sridevi	A novel method for identifying the damage assessment tweets during disaster	Future Generation Computer Systems	116	440-454	2021	
Sreenivasulu Madichetty, Sridevi Muthukumar asamy and P Jayadev	Multi-modal classification of Twitter data during disasters for humanitarian response	Journal of Ambient Intelligence and Humanized Computing, Springer	12(11)	10223-10237	2021	
Sreenivasulu Madichetty and M. Sridevi	A stacked convolutional neural network for detecting the resource tweets during a disaster	Multimedia tools and applications, Springer	80 (3)	3927-3949	2021	
Sreenivasulu Madichetty & Sridevi Muthukumar asamy	Detection of situational information from Twitter during disaster using deep learning models	Sadhana Journal, Springer	45 (1)	1- 13	2020	
Sreenivasulu M and Sridevi	Classifying Informative and Non-informative Tweets from the Twitter by Adapting Image features during Disaster	Multimedia Tools and Applications, Springer	79 (39)	28901-28923	2020	
Madichetty Sreenivasulu and M. Sridevi	Identification of Medical Resource tweets during disaster using Majority Voting based Ensemble Method	Social Network Analysis and Mining, Springer	10(1)	1 – 18	2020	
Sreenivasulu Madichetty and M. Sridevi	Comparative study of statistical features to detect the target event during disaster	Big Data Mining and Analytics, IEEE	3(2)	121-130	2020	
Madichetty Sreenivasulu and M. Sridevi	Disaster damage assessment from the tweets using the combination of statistical features and informative words	Social Network Analysis and Mining, Springer	9(1)	1-11	2019	
M.Sridevi, C.Mala	Self Organizing Neural Networks for Image Segmentation based on Multiphase Active Contour	Neural Computing and Applications, Springer	31(2)	865 – 876	2019	

Author(s)	Title	Journal	Vol(Issue)	Pages	Year	
Biji Nair, M.Sridevi, C. Mala, and Lakshmi Prabha S	Privacy Preserving Task Force Communication in Hastily Formed Networks through ACT	Journal Research Brief on Information & Communication Technology Evolution	2(5)	1 -11	2016	
Mala, C. and M. Sridevi	Multilevel Threshold Selection for image segmentation using Soft Computing Techniques	Soft Computing, Springer	20, (5)	1793–1810	2016	
Sridevi, M., C. Mala and Siddhant Sanyam	Optimised Template Matching Technique in parallel environment with exhaustive search and swarm intelligence	International Journal of Parallel, Emergent and Distributed Systems, Taylor and Francis	30 (2)	118–134	2015	
Mala, C. and M. Sridevi	Color Image Segmentation using Hybrid Learning Techniques	IT Convergence Practice	2(2)	21–42	2014	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
T Sugirtha, M Sridevi	Semantic Segmentation using Modified U-Net for Autonomous Driving	Proceedings of IEEE International IOT, Electronics & Mechatronics Conference	1-7	IEMTRONICS, 2022	Toronto	2022
Sugirtha T and Sridevi M	A Survey on Object Detection and Tracking in a Video Sequence	Proceedings of International Conference on Computational Intelligence, Algorithms for Intelligent Systems, Springer	15 - 29	ICCI, 2020	Pune	2022

Sridevi M, Naseem Shaik, Anjali Gupta and Surya Chaitanya M B	Restoration of Deteriorated Line and Color Inpainting	Proceedings of International Conference on Computational Intelligence, Algorithms for Intelligent Systems, Springer	207-220	ICCI, 2020	Pune	2022
Rachel Selva Dhanaraj and M Sridevi	An Efficient Technique to Extricate Keypoints from a digital image	Journal of Physics: Conference Series, First International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology	012068	ICASSCT, 2021	Goa	2021
Rachel Selva Dhanaraj and M Sridevi	A study on detection of copy-move forgery in digital images	Proceedings of Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, IEEE	900-905	ICICV, 2021	Tirunel veli	2021
Shashank R, M. Sridevi	Text Emotion Classification using stacked CNNs and LSTMs	Advances in Automation, Signal Processing, Instrumentation, and Control. Lecture Notes in Electrical Engineering, Springer	717-724	International conference on Automation, Signal processing and Instrumentation and control (iCASIC 2020)	Vellore	2021
Vindusha Pankajakshan, M. Sridevi	Detecting Duplicate Question Pairs Using GLoVe Embeddings & Similarity Measures	Advances in Automation, Signal Processing, Instrumentation, and Control. Lecture Notes in Electrical	695-702	International conference on Automation, Signal	Vellore	2021

		Engineering		processing and Instrumentation and control (iCASIC 2020),		
M Sridevi, Mayuri Kharde	Video Summarization Using Highlight Detection and Pairwise Deep Ranking Model	Procedia Computer Science	1839-1848	International conference on Computational intelligence and data science, 2019	Gurugram	2020
Madichetty Sreenivasulu, and M. Sridevi	Improved Classification of Crisis-Related Data on Twitter using Contextual Representations	Procedia Computer Science	962-968	International conference on Computational intelligence and data science, 2019	Gurugram	2021
Singhal S.P., Sridevi M., Sathya Narayanan N., Shankar Raman M.J.	Porting of eChronos RTOS on RISC-V Architecture	Advances in Communication and Computational Technology , Lecture notes in Electrical Engineering, Springer	82 – 93	ICACCT , 2019	Kurukshetra	2021
Bharathi A, Sridevi	A Survey on Human Action Recognition in a Video Sequence	Proceedings of ICDLAIR, Lecture Notes in Networks and Systems, Lecture notes in networks and systems, Springer	1269-1279	ICDLAIR, 2019	Jaipur	2019

S. P. Singhal and M. Sridevi	Comparative study of performance of parallel alpha Beta Pruning for different architectures	IEEE 9th International Conference on Advanced Computing	115-119	IACC, 2019	Trichy	2019
M Sridevi, S Aishwarya, Amedapu Nidheesha and Divyansh Bokadia	Parallel Image Forgery Detection Using FREAK Descriptor,	Information and Communication Technology for Intelligent Systems ; Smart Innovation, Systems and Technologies, Springer	619-630	Information and Communication Technology for Intelligent Systems, Smart Innovation, Systems and Technologies, 2018	Ahmed abad	2019
Madichetty Sreenivasulu, and M. Sridevi	Detecting informative tweets during disaster using deep neural networks	Proceeding of 11th International Conference on Communication Systems & Networks	709-713	COMSN ETS	Bengal uru	2019
Dongare P., Sridevi M	Semitransparency Effect in a Video Using Deep Learning Approach	Advances in Computing and Data Science, part of Communications in Computer and Information Science, Springer	564-573	International Conference on Advances in Computing and Data Science	Dehrad un	2018
Krunal Randive and M. Sridevi	Fast Feature Extraction on Graphic Processing Unit for a Video Sequence	Recent Findings in Intelligent Computing Techniques, Springer	481-488	5th International Conference on Advanced	Goa	2018

				Computing, Networking, and Informatics		
Madichetty Sreenivasulu, and M. Sridevi	A survey on event detection methods on various social media	Recent Findings in Intelligent Computing Techniques, Springer	87-93	5th International Conference on Advanced Computing, Networking, and Informatics	Goa	2018
Madichetty Sreenivasulu, and M. Sridevi	Re-Ranking Feature Selection Algorithm for Detecting the Availability and Requirement of Resources Tweets during Disaster	International Journal of Computational Intelligence & IoT	207-211	International Conference on Computational Intelligence & IoT, 2018	Agartala	2018
Sreenivasulu Madichetty, and M. Sridevi	Mining informative words from the tweets for detecting the resources during disaster	Mining Intelligence and Knowledge Exploration (MIKE) 2017. Lecture Notes in Computer Science.	348-358.	International Conference on Mining Intelligence and Knowledge Exploration	Hyderabad	2017
M. Sridevi, Vishnu Balakrishnan, Janardhan J. Kammath, Sherine Davis	Enhanced Parallel Image Retrieval Technique Using Relevance Feedback	Progress in Computing, Analytics and Networking part of Advances in Intelligent Systems and Computing,	593-600 .	International Conference on Computing Analytic	Bhubaneswar	2017

		Springer		s and Networking,		
M Sridevi	Image segmentation based on multilevel thresholding using firefly algorithm	Proceedings of international conference on inventive computing and informatics (ICICI), IEEE	750-753	International Conference on Inventive Computing and Informatics	Coimbatore	2017
M. Sridevi ; N. Sankaranarayanan ; Ankit Jyothish ; Aditya Vats ; Milind Lalwani	Automatic traffic sign recognition system using fast normalized cross correlation and parallel processing	Proceedings of International Conference on Intelligent Communication and Computational Techniques (ICCT), IEEE	200 - 204	International Conference on Intelligent Communication and Computational Techniques (ICCT)	Jaipur	2017
Dongra Pavan and M.Sridevi	A novel method for semi transparency effect in academic videos	Proceedings of 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT)	1- 5	8th International Conference on Computing Communication and Networking Technologies	Delhi	2017
M.Sridevi, C. Mala, and Lakshmi	A Discrete Wavelet Transformation	Mobile Internet Security. MobiSec 2016.	80-94	International Symposi	Taiwan	2016

Prabha S	based fast and secure transmission of images for group communication.	Communications in Computer and Information Science, Springer		um on Mobile Internet Security		
Sridevi M, C.Mala E.Sivasankar, Ilsun You	Optimized Multilevel Threshold Selection using Evolutionary Computing	Proceedings of 17th International Conference on Network-Based Information Systems, IEEE	149 – 156	17th International Conference on Network -Based Information Systems	Salerno , Italy	2014
Mala, C. and M. Sridevi	Parallel Algorithms for Edge detection in an Image	Proceedings of 17th International Conference on Network-Based Information Systems, IEEE	23–30	17th International Conference on Network -Based Information Systems	Salerno , Italy	2014
S. Umaa Mageswari, M. Sridevi and C.Mala	An experimental study and analysis of different image segmentation techniques.	Procedia Engineering	36 – 45	International conference on design and manufacturing, 2013	Kanche epuram	2013
M.Sridevi and C.Mala	A survey on monochrome image segmentation methods	Procedia Engineering	548 – 555	2nd International Conference on Communication, Computi	Rourkel a	2012

				ng & Security (ICCCS-2012)			
M.Sridevi, C.Mala and S.Sandeep	Copy – move image forgery detection in a parallel environment	Computer Science Conference Proceedings in Computer Science & Information Technology (CS & IT) , Springer	19–29	International Workshop on Signal Image Processing and Multimedia (SIPM - 2012)	Chennai	2012
M.Sridevi, C.Mala, Siddhant sanyam	Comparative Study of Image Forgery and Copy-Move Techniques	Advances in Intelligent and Soft Computing, Springer	715-723	Second International Conference on Computer Science, Engineering and Applications (ICCSEA – 2012)	Delhi	2012
Narendran Rajagopalan, C Mala, M Sridevi, R Hari Prasath	Optimized Channel Allocation Using Genetic Algorithm and Artificial Neural Networks	Advances in Intelligent and Soft Computing (Springer),	645 – 655	International Conference on Soft Computing for problem Solving (SocPros – 2011)	Roorkee	2012

(C) Books & Monographs – NIL

Book Chapters

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
K Martin Sagayam, P Malin Bruntha, *M Sridevi*, M Renith Sam, Utku Kose and Omer Deperlioglu	Chapter 7 – "A cognitive perception on content-based image retrieval using an advanced soft computing paradigm", Book on Advanced Machine Vision Paradigms for Medical Image Analysis	Academic Press	2021	9780128192962
Sridevi M, Sugirtha T, Ravi Kiran and Senthil Yogamani	Chapter 20 – "Localization and Mapping for Autonomous Driving", Book on Autonomous driving and driver assistance (ADAS): Applications, Development, Legal Issues	CRC press	2021	9781003048381
Sridevi M, Sugirtha T, Hazem Rashed, Ravi Kiran and Senthil Yogamani	Chapter 4 – "CNN based object detection, tracking and trajectory prediction for autonomous driving", Book on Autonomous driving and driver assistance (ADAS): Applications, Development, Legal Issues	CRC press	2021	9781003048381