

## CURRICULUM VITAE



**Dr.S.GOPINATHAN.M.Sc.,Ph.D.,**

Professor

Department of Computer Science

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### ACADEMIC PROFILE

<b>2013</b>	<b>Ph.D (Computer Science )</b> <b>Department of Computer Science</b> University of Madras-TN
<b>1996</b>	<b>M. Sc (Computer Science)</b> with First class Department of Computer Science Bharathiar University, Coimbatore -TN
<b>1992</b>	<b>B. Sc (Applies Science-Computer Technology)</b> with First class Govt. College of Technology(GCT) Bharathiar University, Coimbatore-TN

- Working as a Professor , at Department of Computer science, Joined in University Service from 13-11-2000 to till date,

Experience : PG(22 Year) , UG(5 year) = 27 years

### SUBJECTS HANDLED for MCA / M.Sc (CS & IT) / M.Phil (CS)

- Programming Languages: C, C++ ,JAVA,PYTHON ,.NET, R programming, MATLAB
- Digital image processing, Microprocessor and Applications
- Software Engineering, Software Project Management and Testing
- Computer Graphics, Multimedia

## **REFRESHER AND ORIENTATION COURSE**

1. Participated in the Orientation program Conducted by Academic Staff College , University of Madras During 16-11-2001 to 13-12-2001
2. Participated in the Refresher Course in Computer Science, BATCH – II Conducted by Academic Staff College , University of Madras During June 14-07-2004 to 03-08-2004
3. Participated in the Refresher Course in Computer Science and Information Technology , BATCH – III Conducted by Academic Staff College , University of Madras During 29-06-2010 to 19-07-2010
4. Participated in the Refresher Course in computer science in Recent Trends in IT industry, BATCH-IV Conducted by Academic Staff College, University of Madras on 16-11-2011 to 06-12-2011.
5. Participated in the Short term course on “Teaching and Learning techniques in higher education, Conducted by Academic Staff College, University of Madras on 21-07-2014 to 26-07-2014.

## **JOURNAL PUBLICATION & NATIONAL, INTERNATIONAL CONFERENCE**

1. L.Ramesh,S.Gopinathan”An Effective Data stream mining Algorithm for Inliers and outlier detection in micro, macro clusters”, International Journal of Future Generation Communication and Networking , ISSN 2233-7857,Volume 13(2020) pp. 4143-4149
2. L.Ramesh,S.Gopinathan”An Effective External validation measure of Time complexity for data stream mining Algorithm between micro clusters”, Science, Technology and Development Journal, ISSN 0950-0707,Volume 8 (2019) pp. 577-581
3. S.Gopinathan,K.Madhavan”Plant Leaf Disease Detection using Deep convolution Neural Network method of Deep Learning”, International Journal of Future Generation Communication and Networking , ISSN 2233-7857,Volume 13(2020) pp. 4150-4160
4. R.Tamilarasi,S.Gopinathan”AN Automatic Brain Tumor Classification using Deep Learning Based VGG16 Architecture”, International Journal of Advanced Science and Technology, ISSN 2005-4238,Volume 29,No.5(2020) pp.9214-9222
5. S.Gopinathan,L.Ramesh”Performance Evaluation of Data Stream Mining Algorithm with shared Density Graph with for Various Classification Techniques, Micro and Macro Clustering”, Journal of Network and Innovative Computing, ISSN 2160-2174 Volume 7 (2019) pp. 015-024

6. L. Ramesh, S. Gopinathan, "Data Preprocessing and Clustering Techniques to improve an Effective online Marketing Sales", National conference on Research Advances In Information and Communication Technology, (Proceedings) on 13 th , **March 2019**
7. S. Gopinathan, S. Yamini, "A Study on Color Image Enhancement Technique of Fusion using Automated Histogram Specification" International Journal of Computer Applications (ISSN:0975 – 8887) Volume 181 – No. 37, pp.09-14, **January 2019**.
8. S. Gopinathan, M. Suganthi Vinoj, "A Study of Image Compression and SHA 256 Encryption Algorithms for Secure Transmission" International Journal of Computer Applications (ISSN:0975 – 8887) Volume 181 – No. 37, pp.09-14, **January 2019**.
9. S. Gopinathan, L. Ramesh "Performance Evaluation of Data Stream Mining Algorithm with shared Density Graph for Micro and Macro Clustering", Advances in Intelligent Systems and Computing, Volume-2, **Dec-2018**, pp-668-674.
10. L. Ramesh, S. Gopinathan "Internal Validation Measures for data Streams mining Algorithm between micro-clusters" Proceedings of the Second International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018) IEEE Xplore Part Number: CFP18OZV-ART; **August 2018**, ISBN:978-1-5386-1442-6
11. S. Gopinathan, "The Enhancement of Character and Non-Character Images Using Extensive Segmentation Techniques". International Journal of Computer Science and Engineering, Volume-6, Issue-4, **July-2018**, pp-8-13, ISSN 2347-2693.
12. Dr. S. Gopinathan, and V. Poornashree, "An Approach to Enhance and Binarize the Degraded Document Image by The Method of Thresholding", International Journal of Engineering Science and Computing, volume – 7, issue-11, November-2017, pp-15366-15369, ISSN – 2321-3361.
13. S. Gopinathan and M. Pandiyan, "The Novel Clustering Approach using Extreme Learning Machine with K-Means++ Technique", International Journal of Innovation and Advancement of Computer Science (ijiacs) (A peer-reviewed journal), volume – 6, issue-11, November 2017, pp-548-551, ISSN-2347-8616.
14. S. Gopinathan, M. Pandiyan and P. Thangavel, "The New Clustering approach Using Extreme Learning Machine with K-Medoids Techniques", International Journal of Computational Intelligence Research, volume – 13, issue-7, November-2017, pp-1669-1678, ISSN - 0973-1873.
15. S. Gopinathan, M. Pandiyan and P. Thangavel, "Performance Evaluation of Extreme Learning Machine with K-Means Techniques for Clustering", International Journal of Advanced Research in Computer Science (A peer-reviewed journal), volume – 8, issue-5, May-June-2017, pp-721-724, ISSN-0976-5697.
16. S. Gopinathan, S. Nancy Arokia Rani, "The Melanoma Skin Cancer Detection and Feature Extraction through Image Processing Techniques", International

- 17 .S.Gopinathan and S.Gayathri , “A study on Image Enhancement Techniques using Ycbr color space methods”, International Journal of Advanced Engineering Research And Science (IJAERS) ,Volume-3, Issue-8, PP:105-112,ISSN:2349-6495( Printed): 2456 - 1908(on-line) .August-2016
- 18 .S.Gopinathan , S.Gayathri and G.Lalitha “ High Performanance on Edge Detection using Modified Sobel Filter Method”, International journal of Innovative Research in Computer and Communication Engineering (IJAERS) ,Volume-4,Issue-10,PP:18705-18716,ISSN:2320- 9801(Printed),2320 - 9798(on-line) .October-2016
19. S.Gopinathan , S.Gayathri, “An Enhancement of Credential Image using Varietal Filtering Techniques with and Lack of Noice”,International Journal of Computer Science and Mobil Computing (IJCSMC) ,Volume-5,Issue-10,PP81-93,ISSN:2320- 088X . October - 2016
20. S.Gopinathan and S. Poornima, “Image Enhancement for Impulse Noise Reduction on Images Using various Filters”, International Journal ofAdvances in computer science and Technology(IJACST),Vol.4,Issue,4, April-2015,Pp.No:39-47,ISSN 2320-2602
- 21.S.Gopinathan and S. Poornima, “Enhancement of Images with Speckle Noise Reduction Using Different Filters”, International Journal of Applied science and Engineering(IJASER),Vol.4,Issue,1,2, April-2015,Pp.No:160-209,,ISSN 2277-8442
- 22.S.Gopinathan,R.Kokila and P.Thangavel, Wavelet and FFT based image denoising using non-linear filters, International Journal of Electrical and Computer Engineering (IJECE),ISSN 2088-8708,Aprial 2015.
- 23.S.Gopinathan and S. Deepa, “Enhancement of Image Segmentation using Automatic Histogram Thresholding, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), April 2015 Volume 3 Issue 4, ISSN 1853-1872,Pp.No:1863-1872.
24. P. Thangavel and S. Gopinathan, Image Enhancement System Using Wavelet Transform and a Non-Linear Piecewise Filter, International Journal on Graphics, Vision and Image Pro c essing,11(2)(2011)1-7.
- 25.S. Gopinathan and P. Thangavel, A Non Linear Technique for Image Enhancement Based on Discrete Wavelet Transform, European Journal of Scientific Research, 79(3)(2012)328-336.
26. S. Gopinathan and P. Thangavel, A Non Linear Technique for Image Enhancement Based on Wavelet Transforms and Soft thresholding, International Journal of Advances in computer science and Technology(IJACST), Vol.34, Issue - 4, April-2015, PP.No : 39-47, ISSN 2320-2602

27. S. Gopinathan, M. Sivasakthi , and N Ragavan “ The Role of Computer Science Education for E-commerce, “Emerging trends in E-commerce” ,International Seminar Conducted by the Department of Commerce ,University of Madras, Chennai, Tamilnadu, March 2011,ISBN: 978-93-80890-26-5
28. S.Gopinathan, “Swami Vivekananda Message on Education”. National conference on Social Development “,Conducted by the Department of Sociology, University of Madras on 12th March 2013.
29. S. Gopinathan and P. Thangavel, A morphological image enhancement system using non-linear piecewise Filter, In: Pro. Nat. Conference on Image Processing (NCIM-2010)78- 82.
30. .S.Gopinathan,V.Poornashree and M,Krithika,” A Survey of Digital Evidence Forensic Through Amassment and Scrutiny “,Two day international conference on cyber criminology , digital forensics and information security,Conducted by DRBCCC Hindu college,Chennai,Tamilnadu,17 & 18 February 2017,ISBN :978-93-81992-58-6

**PROJECT**  
**Details of Research Projects**

<b>Nature of the project</b>	<b>Duration- years</b>	<b>Total grant sanctioned</b>	<b>Received</b>
RUSA 2.0(Data Analytics for Real Time Monitoring and Prediction of Pollution in Chennai District.)	2020-2023	Rs.34,92,000/-	Rs.10,00,000/-
Minor project (A study on enhancement of historical document)	( 2005 - 2006)	Rs.25,000/- (UGC – starter fund)	Rs.25,000/-
Project sponsored by the University /College	( 2010-2011 )	Rs.30,000/- DST-PURSE-Phase -I	Rs.30,000/-
Project sponsored by the University /College	( 2014-2015 )	Rs.30,000/- DST-PURSE-Phase - II	Rs30,000/-
Project sponsored by the University /College	(2016-2017)	Rs.75,000 /- DST-PURSE – Phase- III	Rs.75,000/-
<b>Total</b>		Rs.1,60,000/-	Rs 1,60,000/-

## **EXAMINATIONS & CURRICULUM DEVELOPMENT**

- Member of board studies for framing syllabus in M.Sc Computer Science at Thiruvalluvar University, Vellore
- Member of board studies for framing syllabus in M.Sc Computer Science at Various colleges under University of Madras, Chennai
- Madras University Nominee for Conducting interview of faculty members for B.Sc and BCA at various College. Under University of Madras.
- Acted as an External Examiner for Computer Science Practical Examinations of various colleges under University of Madras and Bharathiar University.
- Setting question paper for Anna University, Madras University, Bharathiar University, Tiruvallure University, SNR college Coimbatore, Stella Marry college, DG vishnova college. IGNOU-NewDelhi , etc
- Placement in- charge for MCA / M.Sc students from 2012 to till date, Department of computer science,University of madras
- N.S.S programme officer for PG-UNIT from 2000 to 2006, University of madras, Chepauk campus.
  - Coordinator of conducting Refresher course for College Teacher. Under
    - academic Staff college ,University of Madras [2014-2015]
  - Coordinator for conducting Soft skill program for MCA / M.Sc / MA students
    - of Various Department . Under ,University of Madras 2014-2015,2015-2016,2016-2017
  - Coordinator for conducting UGC –NET / SLET/ SET / for OBC/SC/ST students for computer science Subjects in University of Madras [ 2016-2017, 2013-2014 , 2010-2011]

### **BOOK PUBLICATIONS :**

1. INTERNET and JAVA made Easy Book written by  
Dr.S.Gopinathan,Dr.PL.Chitra,Dr.M.Sornam and Dr.B.Lavanaya  
Publisher: IDE ,University of Madras
2. Introduction to Information Technology written by  
Dr.S.Gopinathan,Asst.Prof,University of Madras  
Publisher: IDE ,University of Madras
- 3 A Text Book of Iformation Management. Written by  
Dr.S.Gopinathan, Associate Prof, University of Madras  
Publisher : Himalaya publishing House ,Mumbai-400004  
ISBN: 978-93-5273-962-2
4. A Text Book of DATABASE MANAGEMENT SYSTEMS for B.Sc(cs) and BCA  
Students. Written by Dr.S.Gopinathan, Associate Prof, University of Madras  
Publisher : DHANAM PUBLICATIONS,Chennai-600042  
ISBN :978-81-89843-84-7

### **RESEARCH OUT**

<b>Sl.No</b>	<b>Degree</b>	<b>Awarded</b>	<b>Pursuing</b>
1	M.phil	22	2
2.	Ph.D	Awarded-1	Pursuing - 8
	(4 Part Time, 4 Full Time)		

( Dr.S.Gopinathan)

### **RESIDENTIAL ADDRESS:**

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