

Government Arts college (Autonomous), Coimbatore –18
Performance - Teacher Appraisal
Report



i) GENERAL INFORMATION

- a) Name : Dr. M. SORANAMAGESWARI
- b) Address (Residential) : 47, Sowdambika Nagar, Edayarpalayam Post, Coimbatore- 641 025
- c) Designation : ASSOCIATE PROFESSOR
- d) Department : INFORMATION TECHNOLOGY
- e) Date of Birth : 02.04.1973
- f) Area of Specialization : Data mining, Networks & Image Processing

A) Academic Qualifications

Examination passed	Board / university	Subject	Year	Division grade/merit etc.,
High School	Board of Secondary Education	Tamil, English, Maths, Science, History & Geography.	1988	I Class
Higher Secondary	Board of Higher Secondary Education	Maths, Physics, Chemistry, Home science	1990	I Class
Bachelor's Degree (s)	B.Sc Avinashiligam university, Coimbatore.	Maths/Physics	1993	I Class
Master's Degree (s)	MCA., Avinashiligam university, Coimbatore.	Computer Applications	1996	I Class
	M.A, Bharathiar University	Yoga For Human Excellence	2022	I Class Distinction
Research Degree (s)	M.Phil., Manonmanium Sundaranar. University, Thirunelveli.	Computer science	2003	Awarded
	Ph.D, Avinashiligam university	Computer science	2011	Awarded

II) RESEARCH EXPERIENCE & TRAINING

Research stage	Title of thesis	University where the work was carried out.
M.Phil	Secret File Transmission Using Steganography.	Manonmaniam Sundaranar University, Thirunelveli.
Ph.D	Efficient Techniques For Image Spam Classification Using Back Propagation Neural Network	Avinashilingam university, Coimbatore.
No. of Publication	Refer Appendix- A	
Research guidance(give the names of students guided successfully)	Refer v) Research Contribution	
Training(please specify)	Refer Appendix- B	

B) Research Projects Carried Out

Sl.No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
	NIL			

C) Seminars, Conferences, Symposia Workshops Etc. Attended

Name of the Seminars / Conferences / Symposia / Workshops etc.	Name of the Sponsoring Agency	Place and Date
	Refer Appendix- C	

III) TEACHING EXPERIENCE

Courses Taught	Name of University/ College/Institution	Duration	
		Period of employment From - To	Years of Experience
UG	Angappa college, Coimbatore.	01.07.1998 to 30.04.1999	10 Months
UG, PG and M.Phil.,	Dr.SNS Rajalashmi college of arts and science,Coimbatore	02.06.1999 to 07.07.2009	9 Years 11 months
UG, PG and M.Phil.,	LRG Govt.Arts College,Tirupur.	09.07.2009 to 08.08.2012(FN)	3 Years 1 month
UG, PG,M. Phil. & P.hD.,	Govt. Arts College, Coimbatore	08.08.2012 (AN) to till date	11 Years

Total Teaching Experience (in years and months):

a)	Under-graduate	24 Years 10 Months
b)	Post-graduate	23 Years
c)	Research	20 Years

IV) INNOVATIONS/ CONTRIBUTIONS IN TEACHING

a) Design of Curriculum:	Member- Board of studies of B.Sc. (CS). B.Sc. (IT), M.Sc. (CS) and M.Phil.
b) Teaching methods:	Lecturing with real time examples, Seminar, quiz, Teaching through A/V aids, Group discussions and industrial trainings.
c) Laboratory experiments:	Experiments based on problems solving ability in accordance with the syllabus ,Questionnaires and conducting viva-voce.
d) Evaluation methods:	Test, Unannounced Test, seminars,Paper presentation, Attentiveness of the student is periodically watched, ProblemSolving Exercises, Projects.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	<ul style="list-style-type: none"> i. Mainly prescribed Text & Reference books ii. Internet & Newspaper iii. Journals & magazines iv. E content preparation
f) Remedial Teaching / Student Counseling (academic):	Identifying students' problems, Special coaching classes, helping them in Solving problems, Providing Question Bank.
g) Any other:	<p>BOOKS PUBLISHED</p> <ul style="list-style-type: none"> i. Programming in C ii. Problems & solutions Using C++ iii. Knowing A to Z of Network Security

V) RESEARCH CONTRIBUTION

A) Phd Undergoing Scholars

Sl. No	Name of the PhD/ M.Phil(PT/FT) Scholar	FT/PT	Name of the University	Broad Field	Registration Number	Year of registration
1	G.PUSHPA	PT	Bharathiar	Data Mining	21327/B1/2014	2014
2	B.HEMALATHA	PT	Bharathiar	Data Mining	25129/B1/2015	2015
3	J.RATHIKA	PT	Bharathiar	Mobile computing	12622/B1/2016	2016
4	K.LAKSHMI	PT	Bharathiar	Computer Networks	12622/B/2016	2016

B) M.Phil Awarded

Sl.No	Name of the PhD/M.Phil (PT/FT) scholar	FT/PT	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of PhD
1	M.KALPANA	PT	Madurai kamaraj	Filtering techniques and Enhancement	2004	2005
2	R.SASIPRABHA DEVI	PT	Bharathiar	Powerful tool to expand business intelligence: text mining	2005	2006
3	M.SANGEETHA	PT	Bharathiar	Density conscious subspace clustering for high dimensional data using genetic algorithm	2005	2010
4	S.RANILAKSHMI	PT	Bharathiar		2006	2008
5	M.SASIKALA	PT	Bharathiar	Visual based image retrieval	2008	2009
6	K.HEMALATHA	PT	Bharathiar	An effective method for Mspam filtering	2008	2011
7	S.ANITHA	PT	Indus business Academy, Bangalore.		2008	2011
8	M.KOWSALA	FT	Bharathiar	Enhanced social group behavior routing using ORACO	2013	2014

9	E.ANITHA	PT	Bharathiar	Searching Nearest Neighbour Based On Keywords Using Soacial Inverted Index	2013	2016
10	C.BATHMA	PT	Bharathiar	Analysis of mobile security awareness on user behavior	2014	2016
11	A.VANITHA	FT	Bharathiar	Secured combined path routing using predictable trust level computing algorithm in WSN	2016	2017
12	M.SHALINI	PT	Bharathiar	The classification model of thyroid disease using efficient tree based feature selection	2016	2018

PhD Awarded

Sl.No	Name of the PhD/M.Phil (PT/FT) scholar	FT/PT	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of PhD
1.	S.GEETHARANI	PT	Bharathiar	An Effective Investigation and Invention On Profiling Strategies To Rank Search Results For Improving Search Engine Performance	2011	2017
2.	M.SINDHANA DEVI	PT	Bharathiar	An optimized Neuro Fuzzy Filter Based Image Denoising Techniques For Efficient Removal of Impulse Noise From Grayscale Medical Images	2014	2022
3.	R.UMAMAHESWARI	FT	Bharathiar	Innovative Methods for Improving The Mining of User's Interests in Social Netorks using Associative Classification Algorithms	2017	2023

VI) EXTENSION WORK/ COMMUNITY SERVICE

A) Please give a short account of your contribution to:

- a. Given a Republic day speech at KV Matriculation School, Coimbatore.
- b. Creating awareness about the basic values, Interpersonal skills, social skills and prosocial behavior among students and members in the community.
- c. Creating awareness about the Importance and value of literacy.
- d. Provide one day salary for various Relief funds.

B) Positions held / leadership role played in organizations linked with Extension Work National

- a. Service Scheme (NSS), or NCC or any other similar activity
- b. Resource person for various NSS programmes
- c. Conducted Life skill enhancement programs for college students
- d. Voluntary Blood Donor
- e. Organizer for various seminars.

C) Participation in Corporate Life

Please give a short account your contribution to:

<p>a) College/ University / Institution</p>	<p>A) Steering Committee member for the preparation for self-study report for submission to NACC at DrSNSR CAS. B) IQAC member in Dr SNSR CAS. C) Convenor for various ad-hoc committees at Dr.SNSR CAS. D) Chief Editor for releasing the Department magazine “e-Grasp” Dr SNSR CAS. E) Helping the Principal and HOD in the College and Departmental activities. F) Motivating the Students to join all the extra-curricular Activities. G) Maintaining Discipline in the campus</p>
<p>b) Co-curricular Activities</p>	<p>A) Convenor for various National Seminar, Organized Intracollegiate meet & National Level Technical Symposium. B) Served as in charge for Library, Bus pass, internal examination, Time table, Nan mudhalvan Course and Admission work.</p>
<p>c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)</p>	<p>A) Helping/Assisting the Principal, HOD, Colleagues and students to enrich the campus life. B) Encouraging the students to participate in various literary events.</p>

d) Students Welfare and Discipline	Periodical counselling to the students
e) Membership / Participation in Bodies	A) Member- Board of studies, Syllabus framing committee. B) External and Internal examiner in Theory and Practical examinations. C) Question paper setter for various colleges and universities D) Doctoral committee member for P.h.D., Scholars E) Member of the inspection squad on the conduct of Bharathiar University Examinations. F) Convenor for Inspection Committee in Bharathiar university
f) Professional Organization of Teachers	-----

D.(a) Membership of Professional Bodies, Societies, Editorship of Journals etc.

- A) Senate member of Bharathiar University for the period of three years from 6.10.2007 to 5.10.2010.
- B) The society of digital information and wireless communication (SDIWC) - ID No. 8854.
- C) Chief Editor of Department Magazine "e- Grasp"
- D) Reviewer of International Conferences and journals.

E. Any Other Information

- A) "Programming in C" book is prescribed as a reference book for B.Sc Mathematics students of CMS College for the academic year 2011- 2013.
- B) Acted as an expert among the panel of examiner in Tamil Nadu Public Service Commission.
- C) Received "Sri Bharathi Award -2011" from Kaviarasar Kalai Tamil Sangam, Paramathi Vellore [165/2009] - Aug-2011.
- D) Received the award of "Outstanding Women Achiever", given by Venus International foundation VASN2016-37, on 5th march 2016.
- E) Received the award of "Senior Women Educator & Scholar Award" given by National foundation for entrepreneurship Development", [NFED] Code 3WDA/SWEDSA/16. 8th march 2016.
- F) Received the award of "Best Faculty in Computer science" given by Integrated Intelligent Research (IIR) on 18th January 2018.



(Signature of the Teacher)

APPENDIX – A
Research Publications

Sl. NO	Journal of Publication	Name of the Article	Authors	Year of Publication
1.	CiiT International Journal of intelligent system and machine learning	An Image Spam Classification Model Based on file Features Using NeuralNetworks	M.Soranamageswari & Dr.C.Meena	May 2009
2.	International journal of emerging technologies and applications in engineering, technology and sciences	Image spam classification using artificial neural networks	M.Soranamageswari & Dr.C.Meena	May 2009
3.	Global journal for Computer Science and Technology	Histogram based Image Spam Detection using Back propagation Neural Networks	M.Soranamageswari & Dr.C.Meena	Jan 2010
4.	International Conference on Data Storage and Data Engineering (DSDE). Listed in IEEE explore	An Efficient Feature Extraction Method for Classification of Image Spam Using Artificial Neural Networks	M.Soranamageswari & Dr.C.Meena	Feb2010
5.	International Conference on Machine Learning and Computing (ICMLC) 2010, and Listed in IEEE explore.	Statistical Feature Extraction for Classification of Image Spam Using Artificial Neural Networks	M.Soranamageswari & Dr.C.Meena	Feb 2010
6.	Innovations and Advances in Computer Science and Engineering, Macmillan Advanced Research series.	A Fractal based Approach for Classification of Image Spam Classification, International Conference on Data mining	M.Soranamageswari & Dr.C.Meena	Mar 2010
7.	International Journal of Computer Applications	Density conscious subspace clustering for High Dimensional Data using Genetic Algorithms”	G.Sangeetha & Dr.M.Soranamageswari	Nov 2010
8.	International Journal of Computer Theory and Engineering	International Journal of Computer Applications	M.Soranamageswari & Dr.C.Meena	Feb 2011
9.	International Journal of Research in IT	Data mining – Trends and Challenges (IJRIME)	M.Soranamageswari & Dr.C.Meena	2011

10.	International journal of research & practices in engineering sciences(A study on web usage mining and its implementation	S.Anitha & Dr.M.Soranamageswari	Nov 2022
11.	international journal of Advanced Research in Computer Engineering & Technology	A Survey on Delay Tolerant Network	K.Kowsalya & Dr.M.Soranamageswari	July 2014
12.	International journal of research in Advent Technology	Enhanced social Group Based Routing Using ORACO	Dr.M.Soranamageswari & K.Kowsalya	Sep 2014
13.	International Journal of Advanced, Research Electrical , Electronics& Instrumentation Engineering	An Optimal Group Based Routing using Social Behavior	Dr.M.Soranamageswari & K.Kowsalya	Sep 2014
14.	Indian Journal of Science & Technology	A link-click-concept based ranking algorithm for ranking search results	S. Geetharani & Dr.M.Soranamageswari	Oct 2014
15.	International Journal of Science Technology & Management	A hybrid method for user profile Personalization	S. Geetharani & Dr.M.Soranamageswari	Dec 2014
16.	International Journal of Applied Engineering Research, Indexed by Scopus,Google Scholar	Location – based Ranking Method (LBRM) for Ranking Search Results of Search Engines	S. Geetharani & Dr.M.Soranamageswari	2015
17	International Journal of Scientific and Engineering Research	Performance and comparative study of Automation Testing Tools: Win Runner and QTP in IT World	R.Beula & Dr. M. Soranamageswari	Apr 2015
18	International conference of information technology & society. KUALA LUMPUR, MALAYSIA	An optimised Neuro-Fuzzy network based image denoising technique	M.Sindhana Devi and Dr.M.Soranamageswari	June 2015
19	International Journal of Innovative Research in Computer and Communication Engineering	Profile Personalization Based on Link-Click Concept	Dr.M.Soranamageswari S.Geatharani, S.Priyadharshini,	July 2015
20	International journal of Advanced in computer &Communication engineering	A Survey on Location Based Services	S.Anitha and Dr.M.Soranamageswari	Aug 2015

21	Indian Journal of Innovations & Developments	An analysis of various noise removal techniques to enhance image quality	M.Sindhana Devi and Dr.M.Soranamageswari	Nov 2015
22	International Journal for Research in Applied Science& Engineering Technology	survey on Location Based service Applications for Mobile Users	S.Anitha and Dr.M.Soranamageswari	Feb 2016
23	International Journal Of Innovative Research In Science, Engineering And Technology	Review On Feature Selection Of Gene Expression Data For Autism Classification	Dr.M.Soranamageswari, G.Pushpa	Mar 2016
24	International Journal of Innovative Science, Engineering & Technology	A Survey on Autism Spectrum Disorder Classification	Dr.M.Soranamageswari, G.Pushpa	Mar 2016
25	International Journal of Advances in Engineering and Emerging Technology	Hybrid data using cuckoo search and support vector machine for classification	Dr.M.Soranamageswari, G.Pushpa	Apr 2016
26	International Conference on Information and Network Technologies.- JAKARTA – INDONESIA	Comparative Study of Classification Algorithm and its features	Dr.M.Soranamageswari, G.Pushpa	May 2017
27	worldwide journal of multidisciplinary Research and development	A Design and Implementation of Ranking Search Results Based on LC2R and LBRM	Dr.M.Soranamageswari & S.Geetharani	2016
28	International Journal of Recent Scientific Research	A Segeno and Tsugamoto Fuzzy interference system for Denoising Medical Images	M.Sindhana Devi and Dr.M.Soranamageswari	July 2017
29	International Journal of Engineering and computer science	Mobile security awareness efforts on user behavior	Dr. M.Soranamageswari & C.Bathma	Sep 2016
30	International Journal of Engineering and computer science	Risk perception and behavior using in mobile security	Dr. M.Soranamageswari & C.Bathma	Sep 2016
31	International Journal of Recent Technology and Engineering Exploring Innovation -Scopus Indexed	A Denoising of Images in Frequency Domain Using Optimized Neuro Hybrid Fuzzy Filter	M.Sindhana Devi & Dr.M.Soranamageswari	2017

32	International Journal of Imaging Systems and Technology Published by 'Wiley-Blackwell'. (SCIE Indexed)	Efficient Impulse Noise removal Using Hybrid Neuro-Fuzzy Filter with Optimized Intelligent Water Drop Technique	M.Sindhana Devi & Dr.M.Soranamageswari	2020
33	Zeichen Journal- Scopus Indexed	Impulse Noise Removal With Effective Gravitational Search Algorithm Technique	M.Sindhana Devi & Dr.M.Soranamageswari	2020
34	International Journal of Pure and Applied Mathematics	Classification scheme for detecting Autism Using Three Tier Gene Selection	G.pushpa & Dr. M.Soranamageswari	2017
35	Indian journal of advanced research in applied science and technology	Review on attacks in wireless sensor network	Dr.M.Soranamageswari & B.Vanitha	2017
36	The International Journal of Research and Analytical Reviews	Classification of Thyroid Diseases using Efficient Tree Based Feature Selection	Dr.M.Soranamageswari & A.Shalini	Nov 2018
37	International Journal of Scientific Research in Computer Science Applications and Management Studies	A Study On Machine Learning & Disease Prediction Techniques For Thyroid Disease	Dr.M.Soranamageswari & A.Shalini	July 2018
38	International Journal of Research and Analytical Reviews	A Survey on Emergency Message Broadcasting Protocols in Vanets	K. Lakshmi & Dr.M.Soranamageswari	Apr 2021
39	International Journal of Innovative Science and Research Technology	A Survey of Nature Stimulating Routing Algorithms for VANET	K. Lakshmi & Dr.M.Soranamageswari	May 2021
40	International Journal of Innovative Science and Research Technology	Comparative Analysis of Multi-Hop Dissemination Schemes for Broadcast Storm Problem in Vanets	K. Lakshmi & Dr.M.Soranamageswari	July 2021
41	International Journal of Scientific Engineering and Research	Survey of Broadcasting Protocols for Next Relay Selection in Vanets	K. Lakshmi & Dr.M.Soranamageswari	Aug 2021
42	International Journal of Scientific Engineering and Research	Trust based Perspective for Secure Routing in Vanet: Assessment	K. Lakshmi & Dr.M.Soranamageswari	Sep 2021

43	International Journal of Computer Science and Information Technology Research	An Appraisal of Various Network Coding Schemes in Vehicular Ad-hoc Networks	K. Lakshmi & Dr.M.Soranamageswari	Dec 2021
44	International Conference on Research Practices of Cutting Edge Technologies in Computing	Transmission of Emergency Message using Enhanced Restricted Greedy Forwarding (ERGF) approach in Vehicular Adhoc Networks	K. Lakshmi & Dr.M.Soranamageswari	Nov 2021
45	Karpagam JCS	Data Transmission for Prioritized Services in Vehicular Adhoc Networks using Achievable Ability Aware Generalized Instantly Decodable Network Code	K. Lakshmi & Dr.M.Soranamageswari	Apr 2022
46	JICT Research - Scopus	Emergency Data Transmission Mechanism in VANETs using Improved Restricted Greedy Forwarding	K. Lakshmi & Dr.M.Soranamageswari	2023
47	Advances in Bioresearch - Web of Science	Data Transmission for Prioritized Services in Vehicular AdHoc Networks Using Achievable Ability Aware Generalized Instantly Decodable Network Code	K. Lakshmi & Dr.M.Soranamageswari	2023
48	ICPCSN 2023 –Scopus	An Empowered Intuitionistic Fuzzification Trust Oriented Approach to handle Broadcast Storm Problem for Emergency Message Transfer in VANET	K. Lakshmi & Dr.M.Soranamageswari	2023
49	High Technology Letters	Latency control using fog-based spider with multi-stage search (fsms) algorithm in mobile computing	Ms. J. Rathika & Dr.M. Soranamageswari	Sep 2022
50	Journal of Theoretical and Applied Information Technology	Bioinspired reliable support vector machine for analysing sentiments in big data	Ms. J. Rathika & Dr.M.Soranamageswari	Sep 2021

51	Advances in Mathematics: Scientific Journal	An efficient knowledge based intrusion detection system for wireless sensor networks	Ms. J. Rathika & Dr.M.Soranamageswari	2020
52	International Journal On Engineering Technology and Sciences	Big data information management of smart grid using secure cloud computing	Ms. J. Rathika & Dr.M.Soranamageswari	Mar 2017
53	International Journal of All Research Education and Scientific Methods	Survey On Various Techniques For Users' Interest Mining In Social Networks	Umamaheswari,R & Dr.M.Soranamageswari	May 2021
54	Neuroquantology	Optimal Feature Selection for Improving User Interest Identification in Social Media	Umamaheswari,R & Dr.M.Soranamageswari	Sep 2021
55	Journal of positive school psychology	Association Rule Clustering Technique for User Interest Mining from Social Networking Sites	Umamaheswari,R & Dr.M.Soranamageswari	2022
56	International Journal of Research in Technology -Scopus	A Comprehensive Approach Towards Data Preprocessing Techniques & Social Networks	Umamaheswari,R & Dr.M.Soranamageswari	Apr 2023

Appendix- B

C) Seminars, Conferences, Symposia Workshops Etc. Attended

Sl.No	Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
1	Emerging trends in Computer Networking and Data Communications	P.S.G.R Krishnammal College for Women	Coimbatore -19/9/02 & 20/9/02
2	concepts& opportunities in Business Process outsourcing (BPO),Bio_information ,open source and E Goverence	Government college of technology	Coimbatore - 21/02/2003&22/02/2003
3	Growing Trends in Data mining	Ramakrishna College of Arts and Science for Women	24/9/03
4	i- shiksha	Intel & Wipro	Hotel Residency - 23/11/04
5	Software Testing	Ramakrishna College of Arts Science for women	Coimbatore -06/09/2006
6	Blooming trends in information technology	Dr.SNS Rajalakshmi College of Arts &Science	Coimbatore -15/02/2008
7	Role of IT in Healthcare	Avinashilingam University for Women	Coimbatore -20/03/2008
8	Recent Trends in teaching strategies	Avinashilingam University for Women	Coimbatore -20/02/2006
9	Motivating Teachers for Acquiring Class Room Skills	Government Arts College	Coimbatore -18/3/2015
10	Cyber Security and Cyber Law	Avinashilingam University supported by National Cyber Softy	Coimbatore -16//03/2017
11	Industry Institute curriculam on Remote Infrastructure	UTL Technologies	Bengaluru 19/09/2018
12	Role of Blockchain Technology in Cyber Security	CSIR sponsored	Kongu Engineering College - 06/07/2019
13	PYTHON 3.4.3	Vellalar College for Women(Autonomous)	Erode-01/03/2020
14	Big Data - Hadoop Framework	Avinashilingam University for Women	Coimbatore 25/06/2020
15	Research Challenges in Natural Language Processing	Avinashilingam University	Coimbatore 04/07/2020

APPENDIX – C

Sl.No.	Name of the Training Program	Name of the Sponsoring Agency	Place and Date
1	Career Guidance Challenges & opportunities	Bharathiar University	Coimbatore,- 19/08/2005 9/08/2005
2	Programming	Indo Global Group of Colleges, New Chandigarh in association with IIT Bombay Spoken Tutorial	27.4.2020 to 01.05.2020
3	PYTHON 3.4.3	MHRD, Govt. of India	Vellalar College for women -1.3.2020
4	Councelling and Communication Skills	Govt. of Tamilnadu	Anna Institute of management 11.03.1010 & 12.03.2020
5	Design, Develop and Deliver Online Courses Through MOODLE Platform	Tamil Nadu State Council for Higher Education (TANSCHE)	15.05.2020 &16.05.2020 Online mode
6	Research Prospects and Promises of Deep Learning in Problem Solving	Nallamuthu Gounder Mahalingam College Pollachi	19.05.2020 to 22.05.2020 Online mode
7	Artificial Intelligence	Sri Devi Engineering College	22.5.2020 to 26.05.2020 Online mode
8	Design and Development of Online Course through MOODLE Platform	Pioneer College of Arts and Science	08.06.2020 to 12.06.2020 Online mode
9	Introduction to Big Data Analytics	ICT academy – An Initiative of Government of India , State Government and Industry	26.04.2021 to 30.04.2021 Online mode
10	e-Teacher	Center for university and industry collaboration of Bharathiar University	Bharathiar University on19.06.2021.
11	Emerging Technologies in work space - Nan Mudhalvan	IBM	Bharathidhasan university 6.02.2023 to 09.02.2023