

FACULTY PROFILE

- 1 Name** :Dr.V.SANGEETHA
2 Designation :ASSISTANT PROFESSOR
3 Date of Birth :07.09.1977
4 Gender :FEMAL
5 Address for Communication :GOVERNMENT ARTS
AND SCIENCE COLLEGE
PAPPIREDDPATTI
6 Mobile : 9578014734
7 Email ID :sangee759@gmail.com
8 Employee Code : 20021202503
9 Date of Joining
Private : 01.9.2001
Government :19.05.2015
Date of joining in this institution : 19.05.2015
Date of retirement : 10.05.2037
9 Total Years of Experience (Collegiate Service only)
Years:8__, Months:0__, Days: 0__

Sl.No.	Name of the Institution	Duration		Experience (YY-MM-DD)
		From	To	
1	Vysya College,salem-103	01.09.2001	18.05.2015	13 -7-18
2	Government Arts and Science college,pappireddipatti	19.05.2015	Till date	8 -0-0
Total				21-08-20

10 Educational Qualification :

S.No.	Course	Name of the Board/University	Year of Passing	Rank / Class
1	P.Hd	Mother Teresa Womens Univesity	2014	I
2	Mphil	Periyar University	2004	I
3	M.sc (CS)	Periyar University	2001	I
4	B.sc(CS)	Madras University	1999	I

- 11 Orientation Course attended** :1
12 Refresher Courses attended :2
13 Short Term Courses Details :5

14 No. of Papers presented in Conference :3

List of Papers Presented

1.	M. Bharathi and V. Sangeetha, "Performance Study of Combinatorial Testing to Improve Software System Quality", International Conference on Mathematics & Computer Science 2016, 15-17 Dec-2016, Nirmala College for Women, Coimbatore.
2.	Dr.V.Sangeetha and T.Ramasundaram, "A Survival Study for Software Test Suite Generation Using Derived Genetic Algorithm", (UICSACS'17) UGC International Conference organized by Sri Sarada College for Women(Autonomous), Salem, Tamilnadu, India, held on 5th January, 2017.
3.	M. Bharathi and V. Sangeetha, "Weighted Rank Ant Colony Metaheuristics Optimization Based Test Suite Reduction in Combinatorial Testing for Improving Software Quality", IEEE 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS), (SCOPUS), Madurai, India, 2018, pp. 525-534.

14 No. of papers published in journals :

List of Papers Published:

1.	Dr.V.Sangeetha," Measurement of object spatial complexity", Journal of computer application, ISSN NO -0974-1925, 2008.
2.	Dr.V.Sangeetha," The impact of the object-oriented paradigm on the maintainability of real-world mission critical software", ACCST Research Journal, 2009
3.	Dr.V.Sangeetha," An Accurate Model of Software Code Readability", International Journal of Engineering Research & Technology (IJERT), ISSN NO-2278-0181, 2012
4.	Dr.V.Sangeetha," Improving software quality through the development of code readability", International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN NO-2278-1021, 2012
5.	Dr.V.Sangeetha," An empirical study on software metric for software code readability to improve software quality", European Journal of Scientific Research (EJSR), Page no : 1-15, Oct 2012
6.	Dr.V.Sangeetha, M.Sangeetha," A Preamble Study on Smell Detection in Software Refactoring Techniques", International Journal of Innovative Research in Computer Science Technology, ISSN-2347 5552, Vol.4 issue 3, May 2016.
7.	M.Sangeetha ,Dr.V.Sangeetha, "A comprehensive survey on Refactoring paraphrase Tools and its Detection Methods", International Journal of Latest Trends in Engineering and Technology, ISSN-2378 621X, Vol.7, issue 1, May 2016.
8.	M.Sangeetha ,Dr.V.Sangeetha, "An innovated method using Failure mode and effects analysis for improving quality of the software", ISSN-2319 5940, Vol.5 issue 7. Jan 2016.
9.	M.Sangeetha ,Dr.V.Sangeetha, "Fascinating perspective of code refactoring", International Journal of Advanced Research in Computer and Communication, ISSN-2277 128X, Vol.6 Issue 1, Jan 2016.
10.	M.Bharathi and V.Sangeetha, "An Experimental Investigation on Combinatorial Testing with Proficient Constraints" in IJCII International Journal of Computational Intelligence and Informatics, ISSN: 2349-6363, Vol. 6, No. 2, September 2016

11.	Dr.V.Sangeetha and T.Ramasundaram, "Optimizing whole test suite Generation", published in IJARCCCE (International Journal of Advanced Research in Computer and Communication Engineering). ISSN 23195940 (Print) Vol.5, Issue 1, January 2016.
12.	Dr.V.Sangeetha and T.Ramasundaram, "Application of Genetic Algorithms in Software Testing Techniques", published in IJARCCCE (International Journal of Advanced Research in Computer and Communication Engineering). ISSN 23195940 (Print) Vol.5, Issue 10, October 2016
13.	P.Saravanan, Dr.V.sangeetha , "An innovated method using failure mode and effects analysis for improving quality of the software" in IJARCCCE, Volume-5, Issue 1, January 2016
14.	P.Saravanan, Dr.V.sangeetha, "A Survival Study on Software Failure Prediction Using Adaptive Dimensional Gene Model" in IJCII, Vol. 6: No.4, March 2017.
15.	P.Saravanan, Dr.V.sangeetha, "Automatic Collection and organized various applications log event Dataset" in GJRA, Volume-07, Issue-4, April-2018.
16.	P.Saravanan, Dr.V.sangeetha, "Stochastic Bio-Inspired Gene Optimization Based Trapezoidal Fuzzy Logic for Software Failure Prediction Based On Event Log Files" in IJCSE, Volume-7, Issue-1, Jan 2019
17.	Mr. T. Arun Nehru, Dr.V.Sangeetha, " Performance study of improving Software Metrics on Software Defects Prediction", International Journal of Advances in Engineering Research(IJAER), 2017
18.	Dr.V.Sangeetha and T.Ramasundaram, "Greedy Discrete Ant Colony Optimization for High Coverage Test Suite Generation", published in International Journal of Advanced Research in computer Science. ISSN;0976-5697, Volume 8, Issue 7, July-August 2017.
19.	M. Bharathi and V.Sangeetha, "Combinatorial First Order Polynomial Coverage based Test Suites Prioritization for Improving Software System Quality", International Journal of Advanced Research in Computer Science, May/Jun2017, Vol. 8 Issue 5, pp.2460-2466, ISSN: 0976-5697
20.	M. Bharathi and V.Sangeetha," Time-Aware Constraint Optimization Based Pair-Wise Test Suite Similarity for Improving Software System Quality", International Journal of Computer Engineering and Applications, Volume XI, Issue XI, 2017, ISSN 2321-3469.
21.	M. Bharathi and V.Sangeetha, "Test Case Optimization for Enhancing System Software Quality using Genetic Algorithm", International Journal of Innovative Technology and Exploring Engineering(IJITEE), Volume-8, Issue-12, 2019, ISSN: 2278-307 (SCOPUS).
22.	M.Bharathi and V.Sangeetha, "Fault-Type Coverage Based Ant Colony Optimization for Attaining Smaller Test Suite", IAES International Journal of Artificial Intelligence(IJ-AI) Volume 9, Issue 3, 2020, ISSN : 2089-4872 (SCOPUS).
23.	Dr.V.Sangeetha and T.Ramasundaram , " Bio-Inspired Gradient Genetic Optimization for Test Suite Generation" published in International Journal of Computer Sciences and Engineering, Volume-7, Issue-1, January 2019(UGC)
24.	Dr.V.Sangeetha and T.Ramasundaram "TABU Search Prioritized Ant Colony Metaheuristic Optimization based .
25.	P.Saravanan, Dr.V.sangeetha, "Stochastic Bio-Inspired Gene Optimization Based Trapezoidal Fuzzy Logic for Software Failure Prediction Based On Event Log Files" in IJCSE, Volume-7, Issue-1, Jan 2019
26.	P.Saravanan, Dr.V.sangeetha ,"Dynamic Symbolic Genetic Technique for High

	Coverage Test Suite .Generation”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, 01-Special Issue, 2020. (Scopus)
27.	Dr.V.Sangeetha and T.Ramasundaram “Hybridization of Buffalo and Truncative Cyclic Gene Deep Neural Network-Based Test Suite Optimization for Software Testing.”, Accepted International Journal of Modern Education and Computer Science(IJMECS). (Scopus)
28.	P.Saravanan, Dr.V.sangeetha, “Automatic Collection and organized various applications log event Dataset” in GJRA, Volume-07, Issue-4, April-2018.
29.	P.Saravanan, Dr.V.sangeetha, “Stochastic Bio-Inspired Gene Optimization Based Trapezoidal Fuzzy Logic for Software Failure Prediction Based On Event Log Files” in IJCSE, Volume-7, Issue-1, Jan 2019.
30.	P.Saravanan, Dr.V.sangeetha, “Bayesian Software Failure Probability based Time-Invariant Tanimoto Random Testing for Software Quality management” in DOI: 10.5373/JARDCS/V12SP1/20201094.
31.	P.Saravanan, Dr.V.sangeetha, “Adaptive Dimensional Particle Swarm Optimization Based Hyper Basis Function P.Saravanan, Dr.V.sangeetha ,“Neural Network Classification For Software Failure Cause Prediction” European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 09, 2020

15 List of other Publications :

1.	
2.	
3.	

16. Research Experience (Area of Specialization): 8 Years

No. of scholars guided/guiding:

Degree	Guided	Awaiting Viva-Voce	Guiding
Ph.D.	1	1	5
M.Phil	14	0	0
M.A./M.Com,/M.Sc	60	10	10

Adjudication of Ph.D., Theses:

Sl.No.	Name of Scholar	Name of the College	Name of the Supervisor	Date
1	N.Suresh	ThirumagalMills College Gudiyatham, Vellore (dt)	Dr.K.Arulanandam	25.04.2018

Number of Ph. D., Scholars Awarded: _____

Sl.No.	Name of Scholar	Title of the Thesis	Date of Viva
1	M.Barathi	Performance analysis on optimization based test suite reduction for improving software quality	02.03.2021

Number of Ph.D., Scholars Awaiting Public Viva-Voce Examination: 1

Number of Ph.D., Pursuant : 5

- 19 Any research projects funded : NO
- 20 Have you availed any faculty improvement Programme : YES
- 21 Are you an editorial board member in any reputed journal : YES
- 22 Have you served as a Resource person/Chaired a session/Board of Studies : YES

Board of Studies

1	Sri Vidya Mandir arts and science college,uthangarai	Member
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Member of Doctoral Committee

1	D.Kavitha	Member
2	R.Kaviyarasi	Member
3	T.Rajagopal	Member
4.	B.Harikrishnan	Member
5.	V.Murali	Member
6.	R.Chennappan	Member
7.	M.Aruna Devi	Member
8.	R,Satheeswari	Member

23. Awards/recognition if any: No

Awards/Rewards Received by Teachers from Government/Statutory Body

Sl. No.	Name of the Faculty	Award Received Details	Organisation Name	Date of Receiving the Award
1				
2				
3				

24. Positions held (Coordinator): NCC/NSS / RRC/YRC:NIL

25. Conferences/Workshops organized:

S.No	Organized / attended	Type	Title	Level	Roll	Organizer Address
1.	Organizer	State level seminar	One day state level seminar on Advanced trends in Android Technology	State	Convenor	Periyar University college of arts and science, pappireddipatty
2.	Organizer	National level workshop	One day national workshop on android development using MIT app Inverter	National	Organizing Secretary	Periyar University college of arts and science, pappireddipatty
3.	Organizer	National Science Day	Innovative science exhibition	National	Convenor	Periyar University college of arts and science, pappireddipatty
4	Organizer	National Science Day	Innovative science exhibition & speech competition	Innovative science exhibition	Convenor	Periyar University college of arts and science, pappireddipatty
5	Organizer	FDP	Webinar on need for nuclear energy	IGCAR	Convenor	IGCAR-Kalpakkam, Chennai
6	Attended	FDP	Workshop on Gender Sensitization for Women cell members	FDP	participated	Periyar University, Chennai
7	Attended	Seminar	Data Mining and its Applications	state	Resource Person	Sri Sakthikailash Womens College Salem.
8.	Attended	workshop	Workshop on R	National	Resource Person	Jai shree venkatesha college of arts and science, Dharmapuri
9.	Attended	workshop	Workshop on R	state	Resource Person	Sri Sakthikailash Womens College Dharmapuri

10.	Attended	FDP	Orientation	UGC	participated	University of Madras
11.	Attended	FDP	Refresher	UGC	participated	Barathiyar University
12.	Attended	FDP	Refresher	UGC	participated	University of Madras
13.	Attended	IQAC	Faculty Development programme	IQAC	participated	Periyar University

26 Faculty Recharging Programme Attended : yes

27 Deputation undertaken if any : NO

28 Any other programmes attended for the betterment of teaching and research : yes

30 Any other innovative teaching strategy : yes

Any other information :

**31. Address for Reference:Government Arts and Science College,Pappireddipatti
Pin code:636905**

Place:pappireddipatti

Date:08/05/2023

Signature