

FACULTY PROFILE

Name : Dr.T.PUSHPARAJ
Designation : Assistant Professor
Department : BIT (B.Sc., Information
Technology)



Date of Joining : 01/10/2021
Email : pushparaj@americancollege.edu.in,
pushparajtheamericancollege@gmail.com

EDUCATIONAL CREDENTIALS

COURSE/DEGREE	SUBJECT	COLLEGE / UNIVERSITY & PLACE	YEAR COMPLETED
Ph.D	Computer Science	Madurai Kamaraj University, Madurai	2024
M.B.A	System	Alagappa University, Karaikudi	2012
M.Phil	Computer Science	Periyar University, Salem	2007
M.C.A	Computer Application	K.L.N College of Information Technology, Madurai.	2006
B.SC	Computer Science	N.M.S.S.Vellaichamy Nadar College, Nagamalai, Madurai.	2003

RESEARCH DEGREE(s) :

Degrees	Title	Date and year of award	University
M.Phil (Computer Science)	Software Testing	2007	Periyar University, Salem
Ph.D (Computer Science)	A Study on Test bed generation to control the attacks in Software Security	11.12.2024	Madurai Kamaraj University, Madurai

SPECIALIZATION IN TEACHING

- C Language
- Object oriented programming with C++
- Operating System
- Software Engineering
- System Software
- DBMS
- Python Programming
- Software Testing and Quality Assurance

SPECIALIZATION IN RESEARCH

- Software Engineering (Software Testing)

TOTAL WORK EXPERIENCE IN COLLEGE TEACHING PROFESSION

Designation	Institution / Company	Year - From (month/year)to (month/year)
Lecturer	PSNA College of Engineering & Technology, Dindigul	10/01/2007 to 26/12/2010
Assistant Professor	PSNA College of Engineering & Technology, Dindigul	26/12/2010 to 30/09/2021
Assistant Professor	The American College	01/10/2021 to Till Date

EXPERIENCE GAINED :

i. Teaching Experience in The American College as on 07/02/2025 :

3 Years 4 Months

ii. Teaching Experience in other Institution: 14 Years 8 Months

iii. Other Experience: Nil

RESEARCH PUBLICATIONS – NATIONAL CONFERENCES

1. T.Pushparaj, "Bottleneck in Software Testing an Analysis", AICTE Sponsored **National Conference** on Intelligent Computing (I-CUBE'09), Rajiv Gandhi College of Engineering and Technology, Pondicherry, on **July 29 & 30, 2009**.

2. T.Pushparaj, "A novel prediction on breast cancer from the basis of association rules and neural network", **National Conference** on Emerging Trends in Knowledge Engineering (NCETKE'10), Thiagarajar College of Engineering, Madurai on **Nov 26 & 27, 2010**.

3. T.Pushparaj and Dr.S.Kannan, "A study on automatic test case generation", DST SERB & PSNACET Sponsored **National Conference** BEAT 2016 on Big Data& Analytics for Business, Department of Management Studies PSNA College of Engg. & Tech., Dindigul, **April 29-30, 2016**.

RESEARCH PUBLICATIONS – INTERNATIONAL CONFERENCES

1. T.Pushparaj, "Detecting Parkinson's Disease using High-Dimensional Feature-Based Support Vector Regression", International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) on 23-24 August 2024.

RESEARCH PUBLICATIONS – NATIONAL & INTERNATIONAL JOURNAL

1. T.Pushparaj, "Cloud Testing – Opportunities, Challenges, Services", **National Journal** of PSNA Journal of Business and System, Vol 2, Issue 1, pg. 29 – 37, ISSN : 2319 – 2909, **Jun 2012**.

2. T.Pushparaj, "A Novel Prediction on Breast Cancer from the Basis of Association rules and Neural Network", **International Journal** of Computer Science and Mobile Computing (IJCSMC), Vol. 2(4), pp.269-277, **Impact Factor : 7.056, UGC J.No:10.47760,ISSN2320-088X**, https://www.ijcsmc.com/past_issues/volume_2_issue_4, **April 2013**.

3. T.Pushparaj, Dr.S.Kannan, "A Study on Variations of Bottlenecks in Software Testing", **International Journal** of Computer Sciences and Engineering (IJCSE), Impact Factor – 1.251, Volume-02 , Issue-05 , Page No (8 -14), **UGC J.No : 63193, https://ijcseonline.org/ijcse_search.php, May 2014**.

4. T.Pushparaj, "An Overview of Maintaining Security in Web Services", **International Journal** of Computer Science & Mobile Computing (IJCSMC), Vol 4, Issue 4, pp.27-30, **Impact Factor : 7.056, UGC J.No : 10.47760, ISSN 2320-088X**, https://www.ijcsmc.com/past_issues/volume_4_issue_4, **April 2015.**

5. T.Pushparaj, Dr.S.Kannan, "A Survey on Automatic Test Case Generation", **International Journal** of Trend in Research and Development (IJTRD), **Impact Factor** – 3.025 (Calculated by I2 OR - 2016), Volume-3 , Issue-6 , **ISSN: 2394-9333**, <http://www.ijtrd.com/papers/IJTRD5488.pdf>, **December 2016.**

6. T.Pushparaj, Dr.S.Kannan, "A Review: Software Security Testing", **International Journal** of Computer Science and Engineering (SSRG-IJCSE), ISSN : 2348 – 8387, Volume 4 Issue 9, **Impact Factor : 1.15**, Paper Id : IJCSE-V4I9P101, http://www.internationaljournalsrsg.org/IJCSE/archive_details?page=Volume4-Issue9-2017, **September 2017.**

7. T.Pushparaj, Dr.S.Kannan, "Creation of testbed security using Cyber-Attacks", **International Journal** of Computer Science and Engineering (SSRG-IJCSE), ISSN 2348 – 8387, Volume 4 Issue 11, **Impact Factor : 1.15**, PaperId: **IJCSEV4I11P102**, http://www.internationaljournalsrsg.org/IJCSE/archive_details?page=Volume4-Issue11-2017, **November 2017.**

8. T.Pushparaj, Dr.S.Kannan, "An Analysis of Software Testing Security using Quality Assurance and Reliability", **International Journal** of Computer & Organization Trends (IJCOT), **ISSN : 2249 – 2593**, Volume 7-Issue 6, **Paper Id : IJCOT-V7I6P301, Impact Factor : 2.93, CrossRef : 10.14445/2249-2593**, <https://www.ijcotjournal.org/archive/ijcot-v7i6p301>, **Nov to Dec 2017.**

9. T.Pushparaj, Dr.S.Kannan, "Debugging and Finding the Errors in Security Testing Techniques", **International Journal** of Computer Trends and Technology (IJCTT), **Paper Id : IJCTT-V53P103, UGC approved journal, e-ISSN : 2231 – 2803, P-ISSN : 2349-0829**, Volume 53, Number 1 , **Impact Factor : 2.01**, <https://www.ijcttjournal.org/archives/ijctt-v53p103>, **November 2017.**

10. T.Pushparaj, "BEHAVIOR OF MULTIPLE ROBOTS AND THEIR COMPARISON WITH THEIR COMPUTER SIMULATIONS BY APPLYING TARGET-SEARCHING ALGORITHM", **Scopus - INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING & TECHNOLOGY (IJMET)**, **Journal Impact Factor (2016) : 9.2286**, Volume 9, Issue 11, pp. 2112 - 2125, **ISSN Print: 0976-6340**, ISSN Online: 0976-6359,

<http://www.iaeme.com/SearchResults.asp>, **November 2018.**

11. T.Pushparaj, "Implementation of Morphological Operation through Intercept Based Euclidean Distance Algorithm", **Scopus - International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, **ISSN: 2278 - 3075**, Volume-9, Issue-4, pp. 2472-2475 **<https://www.ijitee.org/download/volume-9-issue-4/>**, **February 2020.**

12. T.Pushparaj, "Development of RBF Image Processing Techniques for Graves Disease", **Scopus - INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH**, **ISSN 2277-8616**, VOLUME 9, ISSUE 03, pp. 2038-2041, <http://www.ijstr.org/research-paper-publishing.php?month=mar2020>, **MARCH 2020**

13. T.Pushparaj, "Impact of Empowering Leadership on Organizational Performance", **Scopus - International Journal of Productivity Management (IJPM)**, **ISSN 1868 - 8519**, Volume -25, Issue - 4, SJR : 0.13, **GITO Verlag**, pp.437 to 462, **<http://productivitymanagement.org/pm2520200830.html>**, **AUGUST 2020.**

14. T.Pushparaj, "Detecting Parkinson's Disease using High-Dimensional Feature-Based Support Vector Regression" - **Scopus - International Journal in IEEE Conference Publication**, **<https://ieeexplore.ieee.org/document/10721742/references#references>**, **24 October 2024.**

PATENT DETAILS:

Title of the Paper / Book Chapter / Book	Name of the Journal / Publisher (with month, year)	DOI Link
DYNAMIC CLUSTERING TECHNIQUE USING DEVICE DIFFERENTIATOR OF IOT DEVICES FOR SMART CITIES	Computer Science Engineering, Electronic (04/09/2020)	REQUEST FOR EXAMINATION DATE : 12/08/2020 PUBLICATION DATE (U/S 11A) : 04/09/2020 PATENT : P.NO 194

ACTIVITIES

- a. Acted as Timetable Incharge
- b. Acted as Placement Incharge
- c. Acted as Lab Incharge
- d. Acted as Exam Cell Incharge

MEMBERSHIP IN PROFESSIONAL BODY:

- ** MISTE
- ** MIAENG
- ** MIACSIT

SEMINAR / CONFERENCE / WORKSHOP / FDP DETAILS:

Name of the Seminar / Conference / Workshop / FDP	Name of the Institution conducted	From – To (mention date)	Organised/Participated/ Paper Presented/Acted as Resource Person
International FDP on the title Recent Trends in Computational Intelligence	Dept of MCA, Bon Secours College for Women, Tiruchirappalli	14.02.2022 to 18.02.2022	Participated
International FDP on the title Auto ML	Dept of Computer Science, Lady Doak College, Madurai	04.03.2022	Participated
Power Webinar on the title Technological Innovation – Artificial Intelligence	Dept of Computer Science, IT and Computer Application in association with ICT	06.04.2022	Participated
Seminar on the title Innovation / Prototype Validation	Dept of ECE, PSNACET	17.09.2022	Participated
Seminar on the title Faculty Orientation Programme	IQAC, The American College	20.09.2022	Participated
National Webinar on the title Regression Analysis	Dept of Data Science, The American College	01.10.2022	Participated
FDP on the title The Nuances of Scientific Writing and Publishing	All India Association for Christian Higher Education & Madras Christian College	11.07.2022 to 19.07.2022	Participated

Workshop on the title Application of Image Processing in MATLAB	Marcello Tech, Tiruchirappali	12.12.2022 to 16.12.2022	Participated
Workshop on the title NPTEL E-Awareness	NPTEL, IIT Madras	30.01.2023	Participated
State Level Seminar on the title Intellectual Property Rights	BCA Dept, The American College	03.02.2023	Participated
International Technical Webinar on the title Driverless Smart Car ADAS & ROS	Pantech E-Learning Pvt Ltd, Chennai	12.03.2023	Participated
7 Days National Level FDP on the title Industrial Revolution	ACT Academy, Tamilnadu	22.05.2023 to 29.05.2023	Participated
5 Days FDP on the title Ethical Hacking Tools and Techniques	Dept of IT, Kamaraj College of Engineering & Technology	28.08.2023 to 01.09.2023	Participated
Faculty Orientation Program	IQAC, The American College	09.09.2023	Participated
International Conference on Data Transformation (ICDT)	The American College	20.03.2023 to 21.03.2023	Presented
5 Days International FDP on the title Hybrid Education for Pedagogical Success	Dept of Computer Science, Saveetha College of Liberal Arts & Science (SIMATS)	09.01.2024 to 13.01.2024	Participated

PERSONAL DETAILS

DATE OF BIRTH : 7th NOVEMBER 1982
FATHER'S NAME : I.THAYALAN TAMIL SELVAN
LANGUAGES KNOWN : English, Tamil
NATIONALITY : Indian
MARITAL STATUS : Married
CHILDREN : 2
PERMANENT ADDRESS : No.4-6-51, Ram Nagar, Karthick Nagar,
Kosakulam, ParkTown (WD004), (Zone-1),
Madurai - 625017
