




Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr R . VADIVEL Associate Professor Department of Information Technology Bharathiar University Coimbatore, 641046 Tamil Nadu E-mail: rvadivelit@buc.edu.in Phone: 9994268885 Office Number: 0422-2428354	
Research Area <ul style="list-style-type: none">• Computer Networks , Wireless Sensor Networks• Digital Image & Signal Processing• AI & ML , Internet of Things (IoT)• Data Warehousing and Mining• Information Cyber Security	Courses Teaching <ul style="list-style-type: none">• Embedded Systems, Internet of Things , Advanced Networking• Graphics and Multimedia Systems• Advanced Java Programming• C# and .NET Programming• Object Oriented Software Engineering• E-Commerce• Mobile Ad-Hoc Networks• Advanced Networking• Information Security• Internet of Things (IoT)
Research Experience: 17	Teaching Experience: 17
Research Credentials (as on February 2024 – Source: Google scholar) H-index: 20 Citations: 789 i10-index: 20	
Patents : Filed: 2	
Publications National Journals: 5 International Journals: 106 Books/Chapters: 14 Conferences: 32	
Career At Bharathiar University 1. Designation : Professor Period : January 2024 - June 2044 2. Designation : Associate Professor Period : January 2021 - January 2024 3. Designation : Assistant Professor Period : January 2008 - January 2021 Other Institutes 1. Designation : Lecturer Institution Name : KONGU ENGINEERING COLLEGE Period : May 2007 - January 2008	
Education Ph. D. Subject : Computer Science Institution : MANONMANIAM SUNDARANAR UNIVERSITY Affiliated University : MANONMANIAM SUNDARANAR UNIVERSITY Year of Award : September 2013	



Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr R . VADIVEL , Associate Professor , Department of Information Technology

M.E

Subject : Computer Science

Institution : ANNAMALAI UNIVERSITY

Affiliated University : ANNAMALAI UNIVERSITY

Year of Award : May 2007

B.E

Subject : Computer Science

Institution : PERIYAR UNIVERSITY

Affiliated University : PERIYAR UNIVERSITY

Year of Award : May 2002

Diploma

Subject : Electronics & Communication

Institution : SAKTHI INSTITUTE OF TECHNOLOGY

Affiliated University : STATE BOARD OF TECHNICAL EDUCATION AND TRAINING

Year of Award : April 1999

Projects

National Level

Ongoing - completed - 2

Research Guidance

Completed

Ph.D. - 6 M.Phil. - 6

On Going

Ph.D. - 6

Institutional Responsibilities

PG-M.SC (IT) -School of Distance Education Coordinator: (2015- 2024)

Period :Sep 2015 to Till date

Nature of Responsibility : Time Table Scheduling, allotted Theory and Lab class for resource person & students, Project & Guide allocation to students, attendance report, Conducted Lab Exam & Mark sheet, claim bills submission to SDE Director Office, COE -BU.

Visits

1. ICEET 2022- IEEE Conference - Multimedia University, Kuala Lumpur, Malaysia. (2022-10-31 - 2022-10-03)

Patents

Filed - 2

1. DEVICE & METHOD FOR PERFORMING AN IP ADDRESS SPOOFING DURING A PENETRATION TEST (PEN TEST) 01-1970 202341055397 Dr. R. VADIVEL , S.MAYUKHA
2. PHYSICAL SWITCH EMBEDDED LOGICAL PORT BLOCKER CHIP FOR IMPROVING SECURITY IN AN ELECTRONIC DEVICE 01-1970 202441019071 Dr. R. VADIVEL , S.MAYUKHA

Selected Publications

1. An approach based on hexagram model for quantifying security risks with Performance Key Indicators (PKI)

Computers and Electrical Engineering Volume 116, May 2024, 109135 (March 2024)
S.Mayukha, R. Vadivel

2. Analyzing the Effectiveness of TCA?CBB by Comparing Various VANET Broadcasting Algorithms in Terms of

Quality of Service

Wireless Personal Communications (WPC), Vol.No.121, Iss.No.3, PP.261-282, (May 2022)
S. Sumithra, R. Vadivel



3. Multi-Objective Rider Based Elephant Herd Optimization For Spectral Unmixing of Hyperspectral Images

Journal of Theoretical and Information Technology (JATIT), Vol.No. 100, Iss.No. 7, pp. 2142-2168, (April 2022)
RAJA NATARAJAN, VADIVEL RAMASAMY

4. Multi Adaptive Routing Protocol for Internet of Things based Ad hoc Networks

Wireless Personal Communications (WPC), Vol.No.120, Iss.No.2, PP.887-909, (September 2021)
J Ramkumar, R Vadivel

5. Whale Optimization Routing Protocol for Minimizing Energy Consumption in Cognitive Radio Wireless Sensor

Network

International Journal of Computer Networks and Applications (IJCNA), Vol.No. 8, Iss.No. 4, pp. 455-464, (July 2021)
J Ramkumar, R Vadivel

6. Traffic Condition Aware Customized Beacon Broadcasting (TCA-CBB) Method for Efficient Broadcasting in

VANET

Journal of Engineering Science and Technology Review (JESTR), Vol.14, Iss.no.2, PP.23-33, (April 2021)
S. Sumithra, R. Vadivel

7. An Optimal Innovation Based Adaptive Estimation Kalman Filter For Accurate Positioning In A Vehicular Ad-

Hoc Network

International Journal of Applied Mathematics and Computer Science (AMCS), acm, Vol. 31, Iss.No: 1, PP. 45-57, (March 2021)
S.Sumithra, R.Vadivel

8. Improved frog leap inspired protocol (IFLIP) – for routing in cognitive radio ad hoc networks (CRAHN)

Emerald Insight -Emerald Publishing LimitedWorld Journal of Engineering (WJE),Vol. 15 Issue: 2, pp.306-311, (May 2018)
J.Ramkumar , Dr. R.Vadivel

9. Syllable Segmentation of Tamil Speech Signals Using Vowel Onset Point and Spectral Transition Measure

Springer-journal Automatic Control and Computer Sciences (JACCS),pp.25-31, Vol.52, Iss. .No.1, (January 2018)
Geetha K, R. Vadivel

10. Adaptive reliable and congestion control routing protocol for MANET

Springer-Journal of Wireless Networks, Vol.23, Iss.3, pp.819-829 (January 2016)
R Vadivel, VM Bhaskaran