




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr V BHUVANESWARI Professor Department of Computer Applications Bharathiar University , 641046 Tamil Nadu E-mail: bhuvana_v@buc.edu.in Phone: 9894703005 Office Number: 0422 0428346	
Research Area <ul style="list-style-type: none">• Big Data Analytics• Semantic Web• Data Analytics	Courses Teaching <ul style="list-style-type: none">• Data Mining and BigData Analytics• Principles of Data Science• Machine Learning• Exploratory Data Analytics• Advanced Database Management System• .Net Framework• Semantic Web
Research Experience:	Teaching Experience: 20
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 630 Citations: 9 i10-index: 9	
Patents : Granted: 1	
Publications Books/Chapters: 12 International Journals: 7 Conferences: 4	
Career Other Institutes 1. Designation : Lecturer Institution Name : Sree Narayana Guru College, Coimbatore. Period : June 2002 - May 2003 At Bharathiar University 1. Designation : Professor Period : June 2022 - Till Date 2. Designation : Associate Professor Period : January 2019 - May 2022 3. Designation : Assistant Professor Period : January 2005 - December 2018	
Education Ph. D. Subject : Computer Science Institution : SNR & Sons College, Coimbatore Affiliated University : Bharathiar University Year of Award : May 2013 M. Phil. Subject : Computer Science Institution : Sree Narayana Guru College, Coimbatore Affiliated University : Bharathiar University Year of Award : May 2005	



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Dr V BHUVANESWARI , Professor , Department of Computer Applications

M.C.A

Subject : Computer Application

Institution : Indira Gandhi National Open University, New Delhi

Affiliated University : Indira Gandhi National Open University

Year of Award : May 2002

B. Sc.

Subject : Computer Science

Institution : PSG College of Technology, Coimbatore

Affiliated University : Bharathiar University

Year of Award : May 1998

Projects

Research Guidance Completed

Ph.D. - 5

Institutional Responsibilities

Warden for Chellamal Ladies Hostel

Period :Apr 2012 to Till date

Nature of Responsibility :

Nodal Officer,National Academic Depository (NAD)

Period :Jan 2023 to Till date

Nature of Responsibility :

NAD Nodal Officer

Period :Jul 2018 to Till date

Nature of Responsibility :

e-Sanad – Nodal Officer

Period :Jun 2020 to Till date

Nature of Responsibility :

DST PURSE Member Phase II

Period :Jun 2017 to Till date

Nature of Responsibility :

Swayam Co-ordinator

Period :Jan 2015 - Oct 2021

Nature of Responsibility :

SPOC – Smart India Hackathon

Period :Sep 2022 to Till date

Nature of Responsibility :

Publications

Books/Chapters - 12

12. Semantic Web for Addressing Data Integration Challenges Semantic Data Fabric for Healthcare

Advances in Healthcare using Machine Learning, Vol. 2, CRC Press (September 2025)

Sivaranjani S, Tharunika V, V Bhuvaneshwari

11. Semantic Data Fabric for Automated Health Care Data Integration using AI for Risk Prognosis and

Preventive Care

Artificial Intelligence Powered Sustainable Development of Business 4.0, CRC Press (September 2025)

M Lissa, V Bhuvaneshwari



10. Cybersecurity

Securing IoT in Industry 4.0 Applications with Blockchain, CRC Press, pp. 269-296, ISBN:978-1-032-00810-3 (November 2022)
P Sudhandradevi, V Bhuvanewari

9. Data Science Entrepreneur Opportunities through Data Governance and Automation: Use Cases

Innovative Entrepreneurship, ISBN: 9798778948396, pp. 167-180 (September 2022)
Bhuvanewari

8. Role of Big Data Analytics in Industrial Revolution 4.0

Big Data Applications in Industry 4.0, ISBN: 978-1-032-00811-0, pp.85-105 (September 2022)
V Bhuvanewari

7. Augmented Reality

Innovating with Augmented Reality, pp. 1-27, ISBN: 9781003175896 (September 2021)
M Lissa, V Bhuvanewari

6. Design and development of hybridized DBSCAN-NN approach for location prediction to place water treatment plant

Advances in Intelligent Systems and Computing, Vol. 645, ISBN: 978-981-10-7199-7 (September 2021)
Mousi Perumal, V Bhuvanewari

5. Semantic Framework and Methodology for Cultural Heritage Data Integration Fore-Walkthrough

ICT for Competitive Strategies, CRC Press, ISBN 9781003052098 (September 2020)
M Lissa, V Bhuvanewari, T Devi

4. Data Analytics with R Programming

Data Analytics with R Programming (November 2016)
Dr. V Bhuvanewari

3. Data Analytics of Library OPAC Transactions using Hive – A Big Data Approach

Research Methodology for Librarians Tools and Techniques, Dominant Publishers, pp. 209-218, ISBN: 978-93-84207-24-3 (September 2016)
V Bhuvanewari, S Kanimozhi, R Kiruthika

2. Data Analytics Insight on Library Transaction Data – A Perspective

Research Methodology for Librarians Tools and Techniques, Dominant Publishers, pp. 227-232, ISBN: 978-93-84207-24-3 (April 2016)
V Krishnamurthy, V Bhuvanewari

1. Big Data Analytics

Big Data Analytics (March 2016)
Dr. V Bhuvanewari Dr. T Devi

International Journals - 7

7. Facial Recognition with Advanced Emotional States: A CNN-RF and CNN- LSTM Hybrid Framework for Stress, Frustration, and Confidence

TPM – Testing, Psychometrics, Methodology in Applied Psychology, Vol.32, No. S3, ISSN: 1972-6325, pp. 436-450 (July 2025)
P Sudhandradevi, V Bhuvanewari

6. An integrated genetic algorithm-fuzzy classifier (GA-FUZZY) to identify optimal sub-catchments for placing artificial ground recharge points

International Journal of Environmental Science and Technology, 2023, Volume 20, Issue 8, Pages 8537-8548, Publisher Springer Berlin Heidelberg (September 2023)
P Mousi, V Bhuvanewari

5. Semantic data model for knowledge representation and dissemination of cultural heritage site, Poompuhar

Current Science, 123(10), pp. 1237-1245 (September 2022)
M Lissa, V Bhuvanewari, T Devi, J Satheesh Kumar, R Rajeswari

4. An integrated genetic algorithm-fuzzy classifier (GA-FUZZY) to identify optimal sub-catchments for placing artificial ground recharge points

International Journal of Environmental Science and Technology, 1-12 (April 2022)
P Mousi, V Bhuvanewari



3. An integrated multi-node Hadoop framework to predict high-risk factors of Diabetes Mellitus using a Multilevel MapReduce based Fuzzy Classifier (MMR-FC) and Modified DBSCAN

Applied Soft Computing 108, 107423 (September 2021)
J Ramsingh, V Bhuvaneshwari

2. An efficient map reduce-based hybrid NBC-TFIDF algorithm to mine the public sentiment on diabetes mellitus—a big data approach

Journal of King Saud University-Computer and Information Sciences, 33(8), pp. 1018-1029 (April 2021)
J Ramsingh, V Bhuvaneshwari

1. Exploratory Spatial Analysis of Pavo Cristatus (Peacock) distribution in Coimbatore District of Tamil Nadu using Local Indicators

International Journal of Innovative Technology and Exploring Engineering Vol. 8, Issue 12, pp. 1905-1912, ISSN: 2278-3075 (September 2019)
Mousi Perumal, J Ramsingh, V Bhuvaneshwari

Conferences - 4

4. Building Knowledge Graph End to End: Data Integration with Semantic Web

Proceedings of Fourth International Conference on Inventive Material Science, Springer, Singapore. (December 2022)
M Lissa, V Bhuvaneshwari

3. Urban Water Consumption and Its Influencing Factor Identification Using Water Decision Support System

IOP Conference Series: Earth and Environmental Science 822(1), 012050 (September 2021)
P Mousi, V Bhuvaneshwari

2. Bi-directional Methodology for Literature Extraction for PubMed Abstracts using Web Scraper and Web Crawler

International Conference on Communication and Electronics System, ICCES 2019, pp. 1978-1983, 9002140 (September 2019)
S Koras, Mannem Venkat Rao, V Bhuvaneshwari

1. Location Prediction for solid waste Management – A Genetic Algorithm Approach

2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016, 2017,7919609 (September 2017)
R Kalpana, V Bhuvaneshwari

Patents

Granted - 1

1. Smart Non-Invasive Intravenous (IV) Fluid Depletion Detector Band 03-2024 529636 Dr. V. Bhuvaneshwari, Mr. K. Vijayakumar