

Name : Dr. D. Maheshwari
Designation : HoD/ Professor
Department : Computer Technology
Qualification : M. Sc., M. Phil., Ph. D.
Experience : Teaching: 17 years 8 months Research: 10 years
Area of Specialization(s) : Network Security, Data Communication
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Bharathiar University	2019
M. Phil.	Computer Science	Bharathidasan University	2006
M. Sc	Computer Science	Kovai Kalaimagal College of Arts and Science	2003
B. Sc	Computer Science	Kovai Kalaimagal College of Arts and Science	2001

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
NPTEL	C Programming	IIT , Kanpur	2017

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	7	-

Research Publications

- 1) Dr. D. Maheshwari, Dr. B. Leelavathi and Dr. S.Manimekalai,"A Recent study on Topological Descriptors and Deep Learning Perspective in Malware Detection", International Journal of Multidisciplinary Educational Research, Volume: 10, Issue: 4, April 2021
- 2) P. Iswarya and D.Maheswari, **Paddy Leaf Disease Identification and Classification System: A Review**, International Journal of Computer Sciences and Engineering, ISSN 2347-2693, Vol.7, Issue.5, May 2019, Pp.976-979. (Indexed in Google Scholar / DOAJ)

- 3) D. Maheshwari and R. Nedunchezian, **“An Adaptive Fault Tolerant Mobile Ad Hoc Network using Fuzzy Paraconsistent Logic”**, International Journal of Computer Science and Engineering ,vol. 9, no. 08,pp. 530-541, August 2017.
- 4) D. Maheshwari and R. Nedunchezian, **“An Optimized Approach on Link Stability with Load Balancing in MANET using Balanced Reliable Shortest Route AOMDV (BRSR_AOMDV)”**, Indian Journal of Science and Technology , vol.9, no. 4, pp. 01-08, January 2016.(Impact Factor :1.63 , SCOPUS)
- 5) D.Maheshwari, **“Improved Network Lifetime Maximization In Wireless Sensor Networks Using ACO Algorithm For Energy Conservation”**,International Journal of Information Research and Review Volume. 03, Issue, 05, Pages: 2301-2306, ISSN : 2349-9141,May 2016.
- 6) D.Maheshwari,**“A Study of Imbalanced Classification Problem”**, International Journal of Advanced Research in Computer and Communication Engineering ,Volume 5, Issue 8,ISSN (Online) 2278-1021, August 2016.
- 7) D.Maheshwari and T.Keerthi,**"A comparative study of energy efficiency in wireless sensor network"**,International Journal of Computer Science Engineering (IJCSE),Volume 4 ,Number 02, Pages 35-40,ISSN : 2319-7323, March 2015.
- 8) D. Maheshwari and R. Nedunchezian, **“Load Balancing with Reliable Link in MANET Using Predictive Back-off Mechanism”**, International Journal of Applied Engineering Research ,vol.10, no. 1, pp. 947-960, March 2015.(Impact Factor :1.8 , SCOPUS)
- 9) D.Maheshwari and N.Pavithradevi, **"A Novel Approach on RCDA with Deffie Hellman in Wireless Sensor Networks"**, International Journal of Science and Research (IJSR), Volume 3, Issue 1, January 2014, ISSN (Online): 2319-7064
- 10) D. Maheshwari and R. Nedunchezian, **"Balanced Reliable Shortest Route for AOMDV (BRSR-AOMDV) Using TF Mechanism in MANET"**, International Journal of Computer Technology & Applications,vol.4, no. 6, pp. 902-909, November/December 2013. (Impact Factor : 2.804, SciVersSCOPUS)
- 11) D.Maheshwari and A.Dhanalakshmi, **"Fault Tolerance in Mobile Ad-Hoc Network with Enhanced_AOMDV Protocol"**,International Journal of Advanced Research in Computer Engineering & Technology (IJARCET),Volume 2, Issue 11, November 2013, ISSN: 2278 1323,ICV:5.53.
- 12) D.Maheshwari and A.Dhanalakshmi,**"Fault Tolerance in Mobile ad hoc Network: A Survey "**, International Journal of Advanced Research in Computer Science and Software Engineering , Volume 3,Issue 3,March 2013, pp. 1-6, ISSN No. 2277 128X.

- 13) D.Maheshwari and B. Narasimhan," **Energy Conscious Reliable Routing Protocol (ECRRP) Based On Fuzzy Logic Towards Clustering In Wireless Ad Hoc Networks** ",International Journal of Advanced Research in Computer Science, Volume 4, No. 4, March-April 2013, ISSN No. 09760-5997.
- 14) D.Maheshwari and A.Dhanalakshmi,"**Quality of Service in Mobile Ad Hoc Networks using Bandwidth Estimation Method in AODV and AOMDV**",International Journal of Advanced Research in Computer Science,Volume 4, No 8,May - June 2013, ISSN No. 0976-5697.
- 15) D. Maheshwari and R. Nedunchezian , "**Load Balancing in Mobile Ad Hoc Network : A Survey**", International Journal of Computer Applications, vol. 59, no. 16, pp. 44-49, December 2012. (Impact Factor: 0.814)

Book Published : Edited

- 1) **“.Net Core for C Sharp Beginners”**, Chess Educational Publishers, ISBN : 978-81-940395-4-9
- 2) Proceedings of International Conference on Research Trends in Computer Technologies (ICRTCT-2018).
- 3) Proceedings of the Second International Conference on Research Trends in Computer Technologies(ICRTCT-2014), ISBN: 978-93-82570-18-9.
- 4) Proceedings of the First International Conference on Research Trends in Computer Technologies (ICRTCT-2013), ISBN: 978-93-82570-00-4.

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Production Module Development	K. R. Prompt Tech	Rs.5, 500/-	Completed
Wireless Energy Monitoring for Textile Mills	Honeybee Automation	Rs.7, 500/-	Completed

Presentations in Conference

- 1) International Conference on Signals, Communication and Embedded Systems - ICSCES 2020, **A Study On Factors Influencing as a Best Practice For Image Classification**, ICT Academy, 15-Oct-2020.
- 2) 2nd International Research Conference on Advances in Computer Science and Information Technology (IRCACSIT-18), **Enhanced Ant Colony Optimization based Fault Tolerance and**

Load Balancing using Instiutionistic Fuzzy Estimation, KG College of Arts and Science, Feb-2018.

- 3) National Conference on Information and Image Processing (NCIIP 2015), **Research Challenges in Image Processing**, Sankara College of Science and Commerce, Feb-2015.
- 4) International Conference – Innovations In The Digital World In Networking, **Data Mining Techniques**, PSGR Krishnammal College, Coimbatore, 3-Jan-2012.
- 5) National Conference on Future Information Technology, **Advanced Networking Protocols**, RVS College of Arts and Science, Coimbatore, 7-Oct-2010.

Participation in Conference

- 1) **Achieving Academic Excellence Through Internal Quality Assurance Cell**, Dr. N.G.P. Arts and Science College, Coimbatore , 9 & 10-Dec-11.
- 2) **Issues in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Oct-10.

Participation in Workshop

- 1) **Hands on Training NS2**, Kongu Engineering College, Perundurai, 7 & 8-Jan-13.
- 2) **Teaching Software Testing Techniques** ,Prakat Solutions at Bharathiar University, 4 to 7-Jan-11.

Participation in Faculty Development Programme

- 1) Five Day Faculty Development Programme on "**Introduction to Python Programming**", 27-Sep-2021 to 1-Oct-2021.
- 2) Six Day Faculty Development Programme on "**Research and Application Perspectives of Artificial Intelligence**", KPR Institute of Engineering and Technology and Sree Saraswathi Thyagaraja College, 16 to 21-Jun-2021.
- 3) Online Faculty Development Programme on "**Opportunities and Challenges: Online Teaching with Google Tools**", Dr.SNS Rajalakshmi College of Arts and Science, 4-Jun-2021.
- 4) International Webinar on **Block Chain** WOLLO University -KIoT, Ethiopia, 7-May-2021.
- 5) Two Day National Level Virtual Workshop on "**Research and Related Tools**", CMS College of Science and Commerce, 16 & 17-Apr-2021.
- 6) ICTACT-Six Day Faculty Development Programme on "**Digital Teaching Techniques**", 10 to 15-Aug-2020.

- 7) Two Days Faculty Development Programme on "**PHP Programming**", SNR Sons College, Coimbatore ,Sep-2015.
- 8) Two Days Workshop on "**Hands on Training NS2**", Kongu Engineering College, Perundurai, 7 & 8-Jan-2013.
- 9) Seven days National Level Faculty Development Programme On "**Enterprise Creation -Role of Entrepreneurs**", GRD Academy of Management, Coimbatore, 14 to 21-Nov-2011.
- 10) Four days Training Programme on "**Teaching Software Testing Techniques**", Prakat Solutions and Bharathiar University, 4 to 7-Jan-2011.

Conference / Seminar / Workshop Organized

- 1) Organizing Secretary, National Conference on Emerging Trends in Mathematics with Computer Applications (ETMCA-19), 12 & 13-Sep-2019.
- 2) Organizing Secretary, DBT Sponsored National Level Workshop on Data Analytics and it's Applications in Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 14 & 15-Feb-19.
- 3) Converner, National Level Technical Symposium Cybertron, Dr. N.G.P. Arts and Science College, Coimbatore, 5-Jan-19.
- 4) Converner, National Level Technical Symposium Cybertron, Dr. N.G.P. Arts and Science College, Coimbatore, 1-Feb-18.
- 5) Converner, National Level Technical Symposium Cybertron, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Feb-17.
- 6) Converner, National Level Technical Symposium Cybertron, Dr. N.G.P. Arts and Science College, Coimbatore, 5-Jan-16.
- 7) Convener, Second International Conference on Research Trends in Computer Technologies (ICRTCT-2014), Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Jan-14.
- 8) Convener, First International Conference on Research Trends in Computer Technologies (ICRTCT-2013), Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Jan-13.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

- 1) Invited Talk, "How to Apply Bloom's Taxonomy in Teaching and Learning", M.V. Muthiah Government Arts College For Women, Dindigul, 14-May-2021.

Special Invites

- 1) Board of Studies, UG Computer Science, Special Invitee, Bharathiar University, 16-Apr-2021.
- 2) Board of Studies, Department of Computer Technology, Subject Expert, Hindustan College of Arts and Science, 29-Jul-2021.
- 3) Board of Studies, Subject Expert, Department of IT, Nirmala College for Women, 26-Nov-2018.