

**National Institute of Technology, Tiruchirappalli:  
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**Curriculum Vitae**



- 1. Name: B.Nithya
- 2. Designation: Asst. Prof(Grade 1)
- 3. Office Address: AP(Grade 1), CSE Dept. NIT, Trichy
- 4. Telephone (Direct) (Optional): 0431-2503214  
 Telephone :                                      Extn (Optional):  
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- 5. Email (Primary): nithya@nitt.edu                                      Email (Secondary) : bnithyanitt@gmail.com
- 6. Field(s) of Specialization: Wireless Networks (Mobile Adhoc Network, Wireless Sensor Network, Internet of Things, Wireless Body Area Network, Unmanned Aerial Vehicle, Internet of Vehicles), Advanced Data Structures and Optimization Algorithms.
- 7. Employment Profile

Job Title	Employer	From	To
Asst. Prof (Grade 1)	NIT, Trichy	March 2018	Till date
Assistant Professor	NIT, Trichy	June 2007	March 2018
Lecturer	Arunai Engineering College	May 2005	Jan 2007

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	NIT, Trichy	2015		Wireless Networks
MBA ( thro' Dist Education)	Annamalai University	2008	First Class	Business Administration
M.E	Annamalai University	2005	Fist Class with Dist	Computer Science
B.E	Periyar University	2003	Fist Class with Dist	Information Technology

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HSC	State Board	1999	8.6	Maths & Science
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### 9. Academic/Administrative Responsibilities within the University

1	Organization : National Institute of Technology, Trichy Position Held : Committee member in Convocation	
	Nature of Work : Seating and Logistics Committee Member Earned: 1.00 From: 19-06-2019 To: 2020-12-31 No. of Sems: 1	
2	Organization : NIT, Trichy Position Held : Stock verification Officer Nature of Work : Physical Verification of Assests in CSE Earned: 1.00 From: 01-01-2020 To: 2020-05-31 No. of Sems: 1	
3	Organization : NIT, Trichy Position Held : Faculty Nominee Nature of Work : Convocation Duty Earned: 1.00 From: 01-07-2017 To: 2017-10-11 No. of Sems: 1	
4	Organization : NIT, Trichy Position Held : Faculty Member Nature of Work : Handling Classes for Bridge Course for C Language Earned: 1.00 From: 28-07-2017 To: 2017-12-29 No. of Sems: 1	
5	Organization : NIT,Trichy Position Held : Faculty Member Nature of Work : Handling Classes for Bridge Course for C Language Earned: 1.00 From: 05-08-2016 To: 2016-12-20 No. of Sems: 1	
6	Organization : NIT, Trichy Position Held : Stock verification Officer Nature of Work : Physical Verification of Assests in Hospital, NITT Earned: 1.00 From: 06-04-2016 To: 2016-09-02 No. of Sems: 1	
7	Organization : NIT, Trichy Position Held : Stock verification Officer Nature of Work : Physical Verification of Assests in Physics Dept., NITT Earned: 1.00 From: 05-05-2015 To: 2015-10-05 No. of Sems: 1	
8	Organization : NIT, Trichy Position Held : Stock verification Officer Nature of Work : Physical Verification of Assests in Physics Dept., NITT Earned: 1.00 From: 12-04-2011 To: 2011-08-31 No. of Sems: 1	
9	Organization : NIT, Trichy Position Held : Faculty Nominee Nature of Work : Convocation Duty Earned: 1.00 From: 27-09-2011 To: 2011-12-26 No. of Sems: 1	
10	Organization : NIT, Trichy Position Held : Committee member Nature of Work : Program Committee Member Earned: 1.00 From: 19-07-2013 To: 2013-12-23 No. of Sems: 1	

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1	Organization : Position Held : Nature of Work : Earned: 1.00	NIT, Trichy M.Tech Project Committee Member Conducting Periodic Reviews, Demos and Viva for M.Tech Students From: 03-08-2020 To: 30-01-2021 No. of Sems: 2
2	Organization : Position Held : Nature of Work : Earned: 1.00	NIT, Trichy M.Tech Project Committee Chairperson Conducting Periodic Reviews, Demos and Viva for M.Tech Students From: 21-06-2017 To: 30-01-2018 No. of Sems: 2
3	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Purchase Committee Member Member for Purchasing Passive Networking Materials and Comp for 24Lakhs From: 19-01-2021 To: 19-05-2021 No. of Sems: 1
4	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Committee Member NBA Related Work From: 04-06-2021 To: 24-09-2021 No. of Sems: 1
5	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Admission committee member PhD Admission Committee for Scrutinizing, Conducting Written Test and Interview From: 08-05-2019 To: 03-12-2019 No. of Sems: 1
6	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Faculty-In-Charge In Charge for Purchasing Switches for 27Lakhs Approximately From: 12-09-2017 To: 15-05-2018 No. of Sems: 1
7	Organization : Position Held : Nature of Work : Earned: 3.00	NIT, Trichy Handling Imprest Maintaining Department Imprest Amount From: 06-04-2010 To: 13-03-2013 No. of Sems: 6
8	Organization : Position Held : Nature of Work : Earned: 1.00	NIT, Trichy M.Tech Project Committee Member Conducting Periodic Reviews, Demos and Viva for M.Tech Students From: 06-07-2010 To: 30-06-2011 No. of Sems: 2
9	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy B.Tech Project Committee Member Conducting Periodic Reviews, Demos and Viva for B.Tech Students From: 03-01-2012 To: 01-06-2012 No. of Sems: 1
10	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy B.Tech Project Committee Member Conducting Periodic Reviews, Demos and Viva for B.Tech Students From: 03-01-2017 To: 30-06-2017 No. of Sems: 1
11	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Subject Co-ordinator(CS101) Coordinating the Subject CS101 Basics of Programming Handled by Faculty From: 04-07-2016 To: 31-12-2016 No. of Sems: 1
12	Organization : Position Held : Nature of Work : Earned: 0.50	NIT, Trichy Subject Co-ordinator(CS101) Coordinating the Subject CS101 Basics of Programming Handled by Faculty From: 01-07-2009 To: 31-12-2009 No. of Sems: 1
13	Organization : Position Held : Nature of Work : Earned: 1.50	NIT, Trichy Faculty Advisor Provided Support and Guidance to Students From: 02-07-2007 To: 31-12-2008 No. of Sems: 3

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
DC Member	NIT, Puducherry	From 2021 onwards	
DC Member	Sastra University	From 2018 onwards	

### 11. Awards, Associateships etc. : NIL

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12. Fellowships : NIL

13. Details of Academic Work

(i) Curriculum Development - 3

(ii) Courses taught at Postgraduate and Undergraduate levels

**PG:** Mobile Network Systems

Advanced programming laboratory

Network Programming Laboratory

**UG:** Numerical Computing

Basics of Programming & Labs

Digital System Design & Lab

Computer Organization & Architecture

Digital Computer Fundamentals

Mobile Computing

Combinatorics and Graph Theory

Networking Laboratory

Data Structures and algorithms & Lab

Information Security

Data Communication and Networking & Lab

Internetworking Protocols

Advanced Data Structures and algorithms

(iii) Projects guided at Postgraduate level - 40

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Design and Development of Algorithms for Underwater Target Classification Employing Data Augmentation and Incremental Learning	NPOL	03-02-2020	28-10-2022	Ongoing

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
A.Jusin Gopinath	A Study on Contention Resolution Schemes for Internet of Things Networks	Supervisor	2021

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16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
19 <sup>th</sup> Nov to 7 <sup>th</sup> Dec, 2007	Workshop on Linux Administration and Networking Devices	National	Participant	CSE Dept., NIT, Trichy	NIT, Trichy
14 <sup>th</sup> , 15 <sup>th</sup> May 2008	Workshop on Internet Technologies and Tools	National	Participant	CSE Dept., NIT, Trichy	NIT, Trichy
7 <sup>th</sup> July to 12 <sup>th</sup> July 2008	Training Programme on “ Instructional Design and Delivery System	National	Participant	NITTTR	Chennai
8 <sup>th</sup> Aug- 10 <sup>th</sup> Aug, 2008	Workshop On Algorithms			CA Maths Dept, NITT	NIT, Trichy
7 <sup>th</sup> June to 11 June 2010	Advanced Web Technologies/ JAVA Technologies/ Microsoft Technologies/Cloud Technologies/Software Engineering	National	Participant	CTS	Chennai
21 <sup>st</sup> June - 3 <sup>rd</sup> July 2010	SDP on Recent researches on fuzzy logic & neural networks	National	Participant	Maths & EEE NITT	NITT
18th Feb  19th Feb	ISTE workshop on ‘Writing Effective Conference Papers	National	Participant	IIT Bombay	SASTRA University

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2012					
Feb 29- Mar 2, 2012.	Workshop on Engineering Optimization using MATLAB & EXCEL	National	Participant	IIT Guwahati	IIT Guwahati
8 <sup>th</sup> June 2012	Workshop on Support Vector Machines	National	Participant	MBA NITT	NIT Trichy
25 <sup>th</sup> June - 4 <sup>th</sup> July 2012	ISTE Workshop on Introduction to Research Methodologies	National	Participant	IIT Bombay	NIT Trichy
May 30 <sup>th</sup> to June 4 <sup>th</sup> , 2016	workshop on Introduction to Cryptology	National	Participant	CSE Dept., NITT	NIT Trichy
8 <sup>th</sup> Aug to 1 3 <sup>th</sup> aug, 2016	workshop on Data Analytics concepts and techniques for business intelligence,	National	Participant	CSE Dept., NITT	NIT Trichy

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Short Term Course on Web Technologies	National	11-15 Dec 2017	Co-ordinator	NIT, Trichy
One Week Crash Course for GATE(CS) Exam	National	04-08 Dec 2017	Co-ordinator	NIT, Trichy
Basics of Programming Skills	National	11-15 Nov, 2017	Co-ordinator	NIT, Trichy
Learning Computer Skillset	National	20 -24 <sup>th</sup> Oct 2017	Co-ordinator	NIT, Trichy
Cyber Security and Forensics	National	28 <sup>th</sup> – 30 <sup>th</sup> Aug 2017	Chairman	NIT, Trichy
Cyber Security and Forensics – TEQIP Sponsored Workshop	National	5 <sup>th</sup> Aug- 7 <sup>th</sup> Aug, 2016	Co-ordinator	NIT, Trichy

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### 18. Invited Talks delivered

Topic	Date	Inviting Organization
Data Communication and Networks	20-11-2021 to 30-11-2021	Thiagarajar College of Engineering, Madurai
IoT Communication Technologies	24 <sup>th</sup> -28 <sup>th</sup> Nov, 2020	VIT, Chennai
Programming and Data Structures -II	12-09-2016	MRK Institute of Technology, Kattumannarkoil

### 19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
ACM (Member)	ACM	
IEEE (Member)	IEEE	97665802
CSI (Life Member)	CSI	

### 20. Academic Foreign Visits; NIL

### 21. Publications

#### (A) Refereed Research Journals:

15. Susan, T.S.A., Balasubramanian, N. Scheduling on-demand charging request in wireless rechargeable sensor network with fruit fly optimization-based path selection. *Int. j. inf. tecnol.* (2022). <https://doi.org/10.1007/s41870-022-00958-1> (SCOPUS Indexed)
14. A Justin Gopinath , Nithya Balasubramanian, Performance analysis of randomized arbitration interframe space tuning algorithm for enhanced distributed channel access in IEEE 802.11p based vehicular network. *Transaction on Emerging Telecommunications Technologies.* 2020; e4144. <https://doi.org/10.1002/ett.4144> (SCIE Indexed)
13. Nithya B, Naveen Ranjan, Justin Gopinath A, Performance Analysis of Prioritization and Contention Control Algorithm in Wireless Body Area Networks, *The Computer Journal*, Volume 64, Issue 2, February 2021, Pages 211–223, <https://doi.org/10.1093/comjnl/bxaa147> (SCIE Indexed)
12. Nithya, B., Mala, C. & Thivyavignesh, R.G. Performance Evaluation of Dynamic Zone Radius Estimation in ZRP for Multihop Adhoc Networks. *Wireless Pers Commun* 113, 2543–2567 (2020). <https://doi.org/10.1007/s11277-020-07340-z> (SCIE indexed)

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11. Gopinath, A.J., Nithya, B. Performance evaluation of grouping and regrouping scheme for mitigating hidden station problem in IEEE 802.11ah network. *Cluster Comput* (2020). <https://doi.org/10.1007/s10586-020-03212-0> ( SCIE indexed)
10. Nithya Balasubramanian, Thivyavignesh Ramasamy Gurusamy, Danthala Bharat, Receiver based contention management: A cross layer approach to enhance performance of wireless networks, *Journal of King Saud University - Computer and Information Sciences*, Volume 32, Issue 10, 2020, Pages 1117-1126, ISSN 1319-1578, ( SCIE Indexed)
9. A. Justin Gopinath, B. Nithya, Mathematical and simulation analysis of contention resolution mechanism for IEEE 802.11ah networks, *Computer Communications*, Volume 124, 2018, Pages 87-100, (SCIE indexed)
8. B Nithya, C Mala, A Agrawal, An Adaptive Mechanism to Optimise Routing Performance in Mobile Adhoc Networks. *Pertanika Journal of Science & Technology* 26 (3), 1213-1230, 2018 (Scopus Indexed)
7. Balasubramanian, N., S. Venkataramanan and Aravind Aathma. "DYNAMIC OPTIMIZATION OF IEEE 802.11 DCF BASED ON ACTIVE STATIONS AND COLLISION PROBABILITY." *International Journal of Digital Information and Wireless Communications* 7 (2017): 66-74.
6. B Nithya, AJ Gopinath, V Kameswaran, P Yogesh, Optimized tuning of contention window for IEEE 802.11 WLAN, *International Journal of Engineering, Science and Technology* 9 (2), 15-25, 2017
5. B. Nithya, C. Mala, and E. Sivasankar, "Channel status based sliding contention window (CS-SCW) algorithm: A fuzzy control approach for medium access in wireless networks," *Soft Comput.*, vol. 21, no. 8, pp. 1991–2004, 2017. (SCI Indexed)
4. M. Devipriya, B. Nithya, and C. Mala, Hashing Based Distributed Backoff (HBDB) Mechanism for IEEE 802.11 Wireless Networks, *Journal of Internet Services and Information Security (JISIS)*, 5(3): 1-18, August 2015 (Scopus Indexed)
3. C. Mala, Nithya Balasubramanian, Performance evaluation of IEEE 802.11 contention control mechanisms using polygonal sequences. *Comput. Syst. Sci. Eng.* 29(6) (2014) (SCIE Indexed)
2. B.Nithya and C.Mala, "Adaptive Contention Control Mechanism to enhance Wireless Network Performance under Saturated and Unsaturated Condition" *Symbiosis Centre for Information Technology (SCIT) Journal*, Vol XIII, pp:13-24, ISSN : 0974-5076, 2013
1. C Mala, AA Mahesh, R Aravind, R Rajgopal, N Rajagopalan, B Nithya, Simulated study of qos multicast routing using genetic algorithm, *World Applied Programming*, Vol (2), Issue (5), May 2012. 342-348



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(B) Conferences/Workshops/Symposia Proceedings

31	Siron Anita Susan T, Nithya B, Harshit Agrawal And Duggirala Vijitendra, K-Weighted Cluster Head Selection in Wireless Sensor Networks, International Conference On Intelligent Computing And Communication (ICICC-2021), <i>Springer Lecture Notes In Networks And Systems(Lnns) Series</i>
30	Nithya B., Venkataraman V., Nithin Balaaji D.V., Chud C. (2022) A CNN-LSTM Approach for Classification of Major TCP Congestion Control Algorithms. In: Nagar A.K., Jat D.S., Marín-Raventós G., Mishra D.K. (eds) Intelligent Sustainable Systems. Lecture Notes in Networks and Systems, vol 334. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-6369-7_53">https://doi.org/10.1007/978-981-16-6369-7_53</a>
29	Neethu Subash and Nithya B, "Prevailing techniques for effective channel access in flying ad-hoc networks", AIP Conference Proceedings 2424, 080004 (2022) <a href="https://doi.org/10.1063/5.0076789">https://doi.org/10.1063/5.0076789</a>
28	B. Nithya, L. Madhav Prakash, J. Nandha Kishore, and M. Neel Akash, "Performance analysis of pluggable congestion control in QUIC protocol", AIP Conference Proceedings 2424, 020003 (2022) <a href="https://doi.org/10.1063/5.0076775">https://doi.org/10.1063/5.0076775</a> (BEST PAPER AWARD),
27	Mogalapalli, H., Abburi, M., Nithya, B., and Bandreddi, S. K. V., "Trash classification using quantum transfer learning", International Conference on Computational Intelligence and Computing Applications, American Institute of Physics Conference Series, 2022, vol. 2424, no. 1. doi:10.1063/5.0076837.
26	Mogalapalli, H., Abburi, M., Nithya, B. <i>et al.</i> Classical–Quantum Transfer Learning for Image Classification. <i>SN COMPUT. SCI.</i> 3, 20 (2022). <a href="https://doi.org/10.1007/s42979-021-00888-y">https://doi.org/10.1007/s42979-021-00888-y</a>
25	Anjaneya Tripathia, Vamsi Kiran Mekathotia, Isha Waghuldea, Khushali Patela and Nithya Balasubramanian, "Neural Network aided Optimal Routing with Node Classification for Adhoc Wireless Network", Proceedings of the orkshop on Computer Networks and Communication, Co-located with EASTON 100 - 5th International Conference on Computing Sciences,Goa, India, April 30 - May 01, 2021 (Scopus)
24	Nithya Balasubramanian, Deshpande Rutvik,Raj Surejaand Gollapalli Sai Pavan, "Performance Evaluation of Distributed Networks for Internet of Things", Proceedings of the Workshop on Control and Embedded Systems (WCES 2021), Co-located with EASTON 100 - 5th International Conference on Computing Sciences (ICCS 2021),Goa, India, April 30 - May 01, 2021 (Scopus)
23	Mekathoti V., Nithya B. (2021) A Survey on Congestion Control Algorithms of Wireless Body Area Network. 4th International Conference on Computing and Network Communications, CoCoNet 2020, 14 - 17 October 2020, Advances in Computing and Network Communications. Lecture Notes in Electrical Engineering, vol 735, pg: 373 - 387. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-33-6977-1_29">https://doi.org/10.1007/978-981-33-6977-1_29</a> (Scopus)

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22	Justin Gopinath, A., Nithya, B. (2021). Demand-Based Dynamic Slot Allocation for Effective Superframe Utilization in Wireless Body Area Network. In: Thampi, S.M., Gelenbe, E., Atiquzzaman, M., Chaudhary, V., Li, KC. (eds) <i>Advances in Computing and Network Communications. Lecture Notes in Electrical Engineering</i> , vol 735. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-33-6977-1_28">https://doi.org/10.1007/978-981-33-6977-1_28</a> . (Scopus)
21	M. V. Kiran and Nithya, "Network status aware congestion control (NSACC) algorithm for wireless body area network," <i>Procedia Comput. Sci.</i> , vol. 171, pp. 42–51, 2020.
20	A. Justin Gopinath, B. Nithya, Harshit Mogalapalli, P. Kamalesh Khanna, Channel Status based Contention Algorithm for Non-safety Applications in IEEE802.11p Vehicular Network, <i>Procedia Computer Science</i> , Volume 171, 2020, Pages 1479-1488, ISSN 1877-0509,
19	S. A. Susan T and B. Nithya, "Cluster based key management schemes in wireless sensor networks: A survey," <i>Procedia Comput. Sci.</i> , vol. 171, pp. 2684–2693, 2020.
18	A. J. Gopinath and B. Nithya, "Fuzzy Logic based Cooperative Rebroadcasting (CoRe) Algorithm for Multi-hop Vehicular Network," <i>2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)</i> , Bangalore, India, 2020, pp. 1-6 (BEST PAPER AWARD)
17	T. Siron Anita Susan and B. Nithya, "Fruit fly optimization-based reliable routing algorithm for wireless sensor networks," in <i>Applied Soft Computing and Communication Networks</i> , Singapore: Springer Singapore, 2020, pp. 1–14.
16	B. Nithya, H. Mogalapalli, K. Khanna, and S. Moharana, "Enhanced honey bee load balancing in large heterogeneous cloud environments," in <i>Applied Soft Computing and Communication Networks</i> , Singapore: Springer Singapore, 2020, pp. 191–206.
15	N. Ranjan and B. Nithya, "Upgraded proportional integral (UPI): An active queue management technique for enhancing MANET's performance," in <i>Advances in Intelligent Systems and Computing</i> , Singapore: Springer Singapore, 2020, pp. 473–483.
14	N. Ranjan and B. Nithya, "Potential node detection for route discovery in mobile ad hoc networks," in <i>International Conference on Innovative Computing and Communications</i> , Singapore: Springer Singapore, 2019, pp. 377–388.
13	A. J. Gopinath and B. Nithya, "Enhancement of IEEE802.11p-based Channel Access Scheme for Internet of Vehicle (IoV)," <i>IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)</i> , Goa, India, 2019, pp. 1-6
12	A. Justin Gopinath and B. Nithya, "An optimal multi-channel coordination scheme for IEEE 802.11p based Vehicular Adhoc Networks (VANETs)," <i>2019 11th International Conference on Communication Systems &amp; Networks (COMSNETS)</i> , Bengaluru, India, 2019, pp. 38-43
11	B. Nithya, A. Nair, and A. S. Sreelakshmi, "Detection of RREQ flooding attacks in MANETs," in <i>Data and Communication Networks</i> , Singapore: Springer Singapore, 2019, pp.

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	109–121.
10	A. J. Gopinath and B. Nithya, “Channel access mechanism in emerging IoT communicating technologies: A survey,” in <i>2018 4th International Conference on Recent Advances in Information Technology (RAIT)</i> , June, 2018, pp. 1–6.
9	B. Nithya, S. B. Abhinaya, and V. Lavanya, “A party-based cluster head selection algorithm for wireless sensor networks,” in <i>2018 International Conference on Computing, Power and Communication Technologies (GUCON)</i> , 2018.
8	B. Nithya, U. Gupta, and H. Subbiah, “Optimizing medium access using integer sequences in wireless networks,” in <i>2017 International Conference on Communication and Signal Processing (ICCSP)</i> , 2017.
7	B. Nithya, N. Sivakumar, and A. Satyanarayan, “Collision mitigating sliding DCF backoff algorithm (SDBA) for multi-hop wireless networks,” in <i>2017 7th International Conference on Communication Systems and Network Technologies (CSNT)</i> , 2017.
6	B. Nithya, C. Mala and E. Sivasankar, "A Novel Cross Layer Approach to Enhance QoS Performance in Multihop Adhoc Networks," <i>2014 17th International Conference on Network-Based Information Systems</i> , Salerno, Italy, 2014, pp. 229-236, doi: 10.1109/NBiS.2014.13.
5	C. Mala and B. Nithya, "Dynamic Sliding Contention Window Adjustment in Saturated Wireless Networks," <i>2014 17th International Conference on Network-Based Information Systems</i> , Salerno, Italy, 2014, pp. 186-193, doi: 10.1109/NBiS.2014.14
4	B. Nithya, C. Mala, B. V. Kumar, and N. P. Gopalan, “Dynamic DCF Backoff Algorithm(DDBA) for Enhancing TCP Performance in Wireless Ad Hoc Networks,” in <i>Advances in Intelligent Systems and Computing</i> , Berlin, Heidelberg: Springer Berlin Heidelberg, 2012, pp. 257–266.
3	B. Nithya, C. Mala and B.V.Kumar, “Impact of contention window on congestion control algorithms for wireless adhoc networks,” in <i>Computer Science &amp; Information Technology (CS &amp; IT)</i> , 2012, pp -159-170.
2	B. Nithya, C. Mala, Vijay KumarB, Simulation and Performance Analysis of Various IEEE 802.11 Backoff Algorithms, <i>Procedia Technology</i> , Volume 6, 2012, Pages 840-847, ISSN 2212-0173,
1	B. Nithya, A. K. Alluri, and C. Mala, “Energy efficient multi channel MAC protocols for wireless ad hoc networks,” in <i>Trends in Network and Communications</i> , Berlin, Heidelberg: Springer Berlin Heidelberg, 2011, pp. 358–367.

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(C) Books & Monographs - NIL