

PROFILE

Dr. D.I.GEORGE AMALARETHINAM

Vice Principal

Associate Professor & Head

Department of Computer Science

Jamal Mohamed College (Autonomous)

Tiruchirapalli – 620 020. South India.

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Residence:

64, 10th Cross, Bharathinagar

Puthur, Tiruchirapalli – 620 017. India.

Educational Qualifications: M.C.A., M.Phil, PGDBA.,Ph.D.

Degree	Year	College / University
B.Sc. (Mathematics)	1985	St. Joseph's College, Tiruchirappalli
Master of Computer Applications	1988	St. Joseph's College, Tiruchirappalli
PGDBA–Business administration	1990	Annamalai University
M.Phil (Computer Science)	1996	Regional Engg. College, Tiruchirappalli
Ph.D. (Computer Science)	2007	Bharathidasan University

Experience

: Joined in Jamal Mohamed College, Tiruchirappalli on 06-07-1988
as Assistant Professor in Computer Science
and presently

Vice Principal

Associate Professor & Head

Department of Computer Science

Areas of Specialization: Parallel Processing, Operating Systems, Grid Computing,
Cloud Computing, Network Security

Research Supervision:

M.Phil.Degree -Awarded – **60**

Ph.D. Degree - Awarded – **19**

Pursuing – **07**

Ph.D. Degree Awarded List

Sl. No.	Name of the Scholar	Title of the Thesis	Date of Viva-voce Examination
1	G.J. Joyce Mary	A study on Dynamic Task Scheduling Algorithms for Multiprocessor Systems	08-03-2012
2	F. Kurus Malai Selvi	Task Scheduling Algorithms to minimize Makespan in Computational Grid Environment	10-09-2013
3	V. Sinthu Janita	Quality of Service in Active Queue Management Algorithms for Congestion Control in Communication Networks	23-09-2013
4	C. Balakrishnan	A Clustered and Scalable Framework for Peer-To-Peer Distributed Databases with Dynamic and Optimized Data Allocation Strategies	18-07-2014
5	T. Kokilavani	Study on Meta-Task Scheduling Algorithms in Grid Computing Environment	19-10-2015
6	H. Karamath Ali	Enhanced Algorithms for Recognizing Activities of Daily Living From Environmental Sensor Datasets	04-04-2016
7	G. Kalpana	A Study on Job and Data Aware Scheduling on Swarm Intelligence Approach in Grid Computing	08-07-2016
8	P. Muthulakshmi	Performance Enhanced Task Scheduling Algorithms for Grid Computing Environment	28-12-2016
9	J. Saigeetha	A Study on Security and Speed Enhancement for Public Key Cryptography in Communication Network	10-07-2017
10	T. Lucia Agnes Beena	Design of Compile-Time Workflow Scheduling Algorithms for Cloud Environment with Performance Enhancement	23-10-2017
11	P.H.Maitheen Shahul Hameed	An Empirical Validation of Software Metric Suits for Open Source Software	28-06-2018
12	H.M. Leena	Design of Algorithms for Data Security in Cloud Environment	06-05-2019
13	B. Fathima Mary	A Study and Enhancement of Data Storage	03-09-2019

		Security in Public Cloud Environment	
14	N. Aswin Vignesh	Enhanced Classification Methods for the Prediction of Diabetes Mellitus	20-09-2019
15	V. Jude Nirmal	Parallelized Sentiment Analysis Framework for Social Network Data	18-12-2019
16	A.Maria Josphin	Performance Enhancement of Dynamic Scheduling Algorithms for Dependent Tasks in Heterogeneous Multiprocessing Environment	16-07-2020
17	S. Kavitha	Design of Efficient Meta-Task Scheduling Algorithms to Minimize Makespan and Cost in Cloud Environment	10-08-2020
18	P. Mercy	Enhanced QoS Based Routing Strategies For Internet of Things	19.11.2021
19	Lalu P George	Design of Enhanced Data Security Framework for Public Cloud Environment	20.12.2021

Contribution in College Autonomous Committees:

- **Member, College Governing Body from 2017**
- **Vice Principal from 2023**
- **Head, Department of Computer Science from 2023**
- **Coordinator – ERP Division from 2018**
- **Coordinator, International Relations Cell from 2014**
- **Bursar from 2017 – 2023**
- **Director (MCA) from 2007 to 2023**
- **Coordinator – Internal Quality Assurance Cell from 20.04.2022 to 27.09.2023**
- **Coordinator, Curriculum Development Cell from 2017 to 19.04.2022**
- **Coordinator, Department of Visual Communication from 2016 to 2022**
- **Dean, Faculty of Science from 2016 to 2017**
- **Nodal Officer - NIRF Ranking 2018, 2019, 2020, 2021, 2022**
- **Coordinator – CPE Phase –II 2017 to 2022.**
- **Member, Academic Council from 2007**
- **Member Finance Committee from 2017**
- **Member Board of Studies from 2004**
- **Convenor International Relations Cell from 2014**
- **Core Committee Member in the NAAC Reaccreditation Process from 2001**
- **Convener, Examinations Committee 2014 to 16**

- Member, Research Committee from 2017
- Member, Planning & Evaluation Committee from 2017
- Member, Library Committee from 2006
- Member Grievance Redressal Committee from 2017.
- Member Examination Committee from 2017.
- Member Admission Committee from 2016.
- Member Students Welfare Committee from 2017.
- Member Extra Curricular Activities Committee from 2017.
- Member Academic Audit Committee from 2017.
- Member Anti Ragging Committee from 2017.
- Member UGC Internal Compliance Committee from 2017.
- Member Placement Committee from 2017.
- Member Entrepreneurship Development Committee from 2017.
- Member UGC Prevention of Caste Based Discrimination Committee from 2017.
- Member UGC Internal Committee for Differently Abled Persons from 2017.
- Member Centre for Human Excellence from 2017.
- Member, UGC Fit India Movement from 2017.
- Assistant Editor, Jamal Academic Research Journal – *An Interdisciplinary*
- Associate Editor, Journal of Advanced, Applied Scientific Research (JOAASR) – Web of Science Indexed Journal.

Details of Membership in Academic Bodies / Board of Studies:

- Jamal Mohamed College (Autonomous), Tiruchirapalli in Academic Council and Board of Studies.
- Member, Governing Body, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 2018 to 2023.
- Member, Academic Council, Cauvery College for Women (Autonomous), Trichy 2019-22 & 2022-25.
- Member Board of Studies, Holy Cross College (Autonomous), Tiruchirapalli – 2005-2007, 2013-2015, 2015-17 & 2017-19, 2019-21, 2021-23, 2023-25
- Member Board of Studies, Sacred Heart College (Autonomous), Tirupattur 2017-19, 2019-21, 2021-23 and 2023-25.

- Member Board of Studies, Cauvery College for Women (Autonomous), Tiruchirappalli, 2022-24.
- External Expert, Research Committee, Tamil University, Thanjavur form 2023-2026.
- Standing Committee for Academic Affairs, Bharathidasan University, Tiruchirappalli, January 2016 – June 2018.
- Chairman – Board of Studies- Computer Science (PG), Bharathidasan University, Tiruchirappalli, January 2016 – June 2018.
- Nehru Memorial College (Autonomous), Puthanampatti, 2007-2009 & 2015-2017.
- Sree Saraswathi Thiyagaraja College, Coimbatore – 2014-2016.
- Bharathidasan Government College for Women, Pondicherry, 2014-2016.
- Bishop Heber College (Autonomous), Tiruchirappalli, 2010-2012, 2017-19, 2019-21.
- Periyar EVR College (Autonomous), Tiruchirappalli, 2007-2009 & 2009-2011.
- Seethalakshmi Ramaswamy College (Autonomous), Tiruchirappalli, 2009-2011 & 2012-2014.
- AVVM Sri Pushpam College, Poondi, 2009-2011.
- St. Joseph's College (Autonomous), Tiruchirappalli, 2008-2009, 2009-2011, 2012-2014, 2017-2019 & 2019-2021
- Syllabus Committee Member in TNPSC for MCA recruitment 2008.
- Six years Integrated M.Tech. (Computer Science & Engg), Bharathidasan University, 2008-2010.
- St. Xavier's College (Autonomous), Palayamkottai, 2008-2010.
- Govt. Arts College for Women (Autonomous), Kumbakonam, 2007-2009, 2014-2016 & 2017-2019, 2019-21.
- Bharathidasan University (MCA and M.Sc. Comp Science, M.Sc. IT), 2006-2008, 2016-2018 & 2018-2020
- NGM College, Pollachi, 2005-2007.

Details of Membership of Professional Bodies:

- Life Member of Indian Institute of Public Administration, New Delhi.
- Core Member in the International Research Forum for Computer Science.
- Senior Member, International Association of Computer Science and Information Technology, Singapore.

- Editorial Board Member, International Journal of Digital Content Technology and its Applications, South Korea.
- Reviewer, International Journal of Engineering, Science and Technology, Nigeria.
- Editorial Board Member, International Journal of Convergence Information Technology, South Korea.
- Reviewer, International Journal of Scientific Transactions in Environment and Technovation, India.
- Editorial Board Member, International Journal of Advancements in Computing Technology, South Korea.
- Reviewer, International Journal of Computer Science Issues, Mauritius.
- Reviewer, The Journal of Internet Technology, Taiwan.
- Reviewer, TJCA, UK.
- Reviewer, Future Generation Computer Systems, Elsevier, Netherlands.
- Reviewer, IIE, UK.
- Reviewer, IGI Global eEditorial Discovery, USA.
- Technical Committee Member in the international Academy of Arts, Science & Technology

Details of Patent :

1. **Design Number : 6306111**, Quad laser Optics Metal Additive Manufacturing Machine, International Design Classification Version 14-2023, Class : 15 Machines, Not Elsewhere Specified; Subclass : 09 Machine Tools, Abrading and Founding Machinery, Grant Date : 06.09.2023, Intellectual Property Office, UK.
2. **Design Number : 384322-001**, AI Control Lidar Robot, Grant Date : 19.04.2023, The Patent Office, Government of India.

Details of Publications:

- 1) **D.I.George Amalarethnam**, Dr.S.V.Kasim Raja, Mapping of Task Graph on Hypercube Multiprocessor Systems, *Jamal Academic Research Journal – aninterdisciplinary (JARJ)*, Vol. 1, No. 2, 2004, PP. 25-32.
- 2) **D.I.George Amalarethnam**, Dr.S.V.Kasim Raja, A Low Complexity Task Scheduling Heuristic for Multiprocessor Systems, *PCTE Journal of Computer Sciences*, Vol. 1, Issue 2 July – Dec 2005, PP.23-28.
- 3) **D.I.George Amalarethnam**, Dr.S.V.Kasim Raja, Static Scheduling of Directed Task

- Graphs onto Multiprocessor Systems using Genetic Algorithm, *Jamal Academic Research Journal – an interdisciplinary (JARJ)*, Vol. 3, No. 1, January – June 2006.
- 4) **D.I.George Amalarethinam**, Dr.S.V.Kasmir Raja, A Level based duplication scheduling algorithm for Hypercube Multiprocessor system, *Jamal Academic Research Journal – an interdisciplinary (JARJ)*, Vol. 4, January – June 2007, No.1, pp. 23-32.
 - 5) T.N.Ravi, **D.I.George Amalarethinam**, Analysis of Gang Scheduling Strategy with Speedups in Parallel Systems Environment, *Cauvery Research Journal*, Vol. 1, Issue 1, July 2007, pp. 36-41.
 - 6) T.N.Ravi, **D.I.George Amalarethinam**, Performance Evaluation of Job Scheduling Strategies on Parallel Systems, *Jamal Academic Research Journal – an interdisciplinary (JARJ)*, Vol. 4, No.2, Jul-Dec. 2007, pp.25-31.
 - 7) T.N.Ravi, **D.I.George Amalarethinam**, A Simulated Study on Backfilling Technique with Preemptive Job Scheduling Strategy, *ACCST Journal on Applied Science Periodical*, Bihar, Vol. 2, April 2009.
 - 8) **Dr.D.I.George Amalarethinam**, G.J. Joyce Mary, Modified Dynamic Scheduling Algorithm For Multiprocessor System, *International Journal of Engineering and Technology*, Vol. 2, No.2, Dec.2009, pp. 81-87.
 - 9) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethinam**, Dr.E.George Dharma Prakash Raj, Average Good put and Percentage Loss Analysis For Long Lived TCP Bulk Transfers using QMBCCA in the *International Conference on Advanced Computing*, (ICAC-09) at Cauvery College for Women, Tiruchirappalli, Published by Mcmillan, India on August 2009.
 - 10) **Dr.D.I.George Amalarethinam**, S.Vidya, A Comparative Study of Various Routing Methods in Linux Virtual Server in the *International Conference on Advanced Computing*, (ICAC-09) at Cauvery College for Women, Tiruchirappalli, Published by Mcmillan, India on August 2009.
 - 11) T.N.Ravi, **Dr.D.I.George Amalarethinam**, Evaluation of Job Scheduling in Multiprocessor Environment with Process Interconnect and Genetic Algorithm, *International Conference on Advanced Computing*, (ICAC-09) at Cauvery College for Women, Tiruchirappalli, Published by Mcmillan, India on August 2009.
 - 12) G.J. Joyce Mary, **Dr.D.I.George Amalarethinam**, Dynamic Multiprocessor Scheduling Model for Reconfigurable Mesh Connected System, *International Conference on Advanced Computing*, (ICAC-09) at Cauvery College for Women, Tiruchirappalli, Published by Mcmillan, India on August 2009.

- 13) **Dr.D.I.George Amalarethnam**, G.J. Joyce Mary, A Survey: Dynamic task scheduling in multiprocessor and the swift embryonic world of parallel computing, *International Journal of Algorithms, Computing and Mathematics (IJACM)*, Vol.3 No.4 November 2010.
- 14) T. Kokilavani, **Dr.D.I.George Amalarethnam** ,Applying Non-Traditional Optimization Techniques To Task Scheduling In Grid Computing-An Overview, *International Journal on Research and Reviews in Computer Science*, Vol. 1, No.4, December 2010, pp 33-38.
- 15) **Dr.D.I.George Amalarethnam** , C.Balakrishnan, A Survey on Peer-to-Peer Real time Object Databases”, *International Journal on Research and Reviews in Computer Science*, Vol. 1, No.4, December 2010,pp. 8-15.
- 16) T.N.Ravi, **D.I.George Amalarethnam**, Evaluation of Speedups of the improvised Job Scheduling Strategies with overriding concept in Parallel Systems, *International Journal on Research and Reviews in Computer Science*, Vol. 1, No.4, December 2010, pp. 125-130.
- 17) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethnam**, Dr.E.George Dharma Prakash Raj,Fairness and Percentage Loss Analysis for Short Lived Web Transfers using QMBCCA, *International Journal of Computer Applications*, Vol. 16, No. 2, February 2011, pp. 40-43.
- 18) **Dr.D.I.George Amalarethnam**, F.Kurus Malai Selvi, The Best-effort based Workflow Scheduling in Grid Computing, *International Journal on Research and Reviews in Computer Science*, Vol. 2, No.1, March 2011, pp. 48-55.
- 19) **Dr.D.I.George Amalarethnam**, H.Karamath Ali, An Overview of Pervasive Navigation Systems, *International Journal on Research and Reviews in Computer Science*, Vol. 2, No.1, March 2011, pp. 115-119.
- 20) **Dr.D.I.George Amalarethnam**, P.Muthulakshmi, An Overview of the Scheduling Policies and Algorithms in Grid Computing, *International Journal on Research and Reviews in Computer Science*, Vol. 2, No.2, April 2011, pp. 280-294.
- 21) **Dr.D.I.George Amalarethnam**, G.J. Joyce Mary, A new DAG based Dynamic Task Scheduling Algorithm (DYTAS) for Multiprocessor Systems, *International Journal of Computer Applications*, Vol. 19, No. 8, April 2011, pp. 24-28.
- 22) T. Kokilavani, **Dr.D.I.George Amalarethnam**, Load balanced Min-Min algorithm for Static Meta-task scheduling in Grid Computing, *International Journal of Computer Applications*, Vol. 20, No. 2, April 2011, pp. 42-48.
- 23) **Dr.D.I.George Amalarethnam**, G.J. Joyce Mary, DAGEN - A Tool To Generate Arbitrary Directed Acyclic Graphs Used For Multiprocessor Scheduling, *International Journal of Research and Reviews in Computer Science*”, Vol. 2, No.3, June 2011, pp. 782- 787.

- 24) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethinam**, Dr.E.George Dharma Prakash Raj, QoS Congestion Control AQM Algorithm : A Survey, *International Journal of Advanced Research in Computer Science*, Vol. 2, No. 4, July-August 2011, pp. 38-41.
- 25) **Dr.D.I.George Amalarethinam**, F.Kurus Malai Selvi, An Efficient Dual Objective Grid Workflow Scheduling Algorithm, *International Journal of Computer Applications*, Vol.33, No. 1, November 2011, pp.7-12.
- 26) **Dr.D.I.George Amalarethinam**, F.Kurus Malai Selvi, A Minimum Makespan Grid Workflow Scheduling Algorithm, *IEEE*, January 2012, pp.1-6.
- 27) **Dr.D.I.George Amalarethinam**, P.Muthulakshmi, *DAGITIZER* – A Tool to Generate Directed Acyclic Graph through Randomizer to Model Scheduling in Grid Computing, *Advances in Intelligent and Soft Computing*, *SPRINGER*, Vol. 167, January 2012, pp.969-978.
- 28) **Dr.D.I.George Amalarethinam**, F.Kurus Malai Selvi, A Task Duplication Based Efficient Multiobjective Grid Workflow Scheduling Algorithm, *International Journal of Advanced Research in Computer Science*, Vol.3, March 2012, pp.87-92.
- 29) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethinam**, Dr.E.George Dharma Prakash Raj, Extended Queue Management Congestion Control Algorithms for TCP Bulk Transfers in Wireless Environment, *International Journal of Scientific & Engineering Research*, Vol. 3, Issue 5, May 2012, pp. 1-7.
- 30) Dr.E.Kirubakaran, D.Ravindran, **Dr.D.I.George Amalarethinam**, Enhancing the Interactions in an Engineering Job Outsourcing Environment (B2B System), *International Journal of Computer Applications*, Vol. 47, No. 2, June 2012, pp.1-5.
- 31) Dr.E.Kirubakaran, D.Ravindran, **Dr.D.I.George Amalarethinam**, QoS Based Dynamic Service Composition, *International Journal of Computer Science and Telecommunications*, Vol. 3, Issue 7, July 2012, pp.16-19.
- 32) **Dr.D.I.George Amalarethinam** , C.Balakrishnan ,An Optimized Strategy for Replication in Peer-To-Peer Distributed Databases, *IEEE*, 2012, pp.266-269.
- 33) **Dr.D.I.George Amalarethinam** , C.Balakrishnan,A.Charles, An improved Methodology for Fragment Re-allocation in peer-to-peer Distributed Databases, *Springer-Verlag Berlin Heidelberg*, 2012, pp.133-139.
- 34) **Dr.D.I.George Amalarethinam**, F.Kurus Malai Selvi, Grid Scheduling Strategy using GA (GSSGA), *International Journal of Computer Technology and Applications*, Vol.3,No.5, September 2012, pp.1800-1806.

- 35) T.Kokilavani, **Dr.D.I.George Amalarethinam**, Memory Constrained Ant Colony System for Task Scheduling in Grid Computing, *International Journal of Grid Computing & Applications (IJGCA)* Vol.3, No.3, September 2012, pp 11-20.
- 36) **Dr.D.I.George Amalarethinam**, P.Muthulakshmi, Enhanced DAGitizer for Grid Computing through Finding Least Cost Path, *International Journal of Computer Applications*, Vol. 55, No.4, October 2012, pp.1-7.
- 37) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethinam**, Dr.E.George Dharma Prakash Raj, Extended Queue Management Backward Congestion Control Algorithms for Web Transfers in Wireless Environment, *International Journal of Computer Network and Information Security*, October 2012, pp. 39-46.
- 38) **Dr.D.I.George Amalarethinam**, P.H.Maitheen Shahul Hameed Factors Influencing Software Quality in Reflection, *ERA Journal of mathematical Science*, Vol. 7, Issue 3, 2012, pp. 255 – 266.
- 39) **Dr.D.I.George Amalarethinam**, C.Balakrishnan, ODASUANCO- Ant Colony Optimization based data allocation strategy in Peer-to-Peer distributed databases, *International Journal of Enhanced Research in Science Technology & Engineering*, Vol. 2, Issue 3, March 2013,pp. 1-8,.
- 40) T.Kokilavani, **Dr.D.I.George Amalarethinam**, EMGEN – A tool to create ETC matrix with memory characteristics for meta task scheduling in Grid environment, *International Journal of Computer Science & Applications*, Vol. 2, No. 3, May 2013,pp. 84-91.
- 41) T.Kokilavani, **Dr.D.I.George Amalarethinam**, Dual Objective Min-Min algorithm for meta task scheduling in Grid Computing, *European Journal of Scientific Research*, Vol. 101, No. 3, May 2013, pp. 400-408.
- 42) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, Activity recognition with multi-tape fuzzy finite automata, *International Journal of Modern Education and Computer Science*, No. 5, June 2013,pp. 60-65.
- 43) V.Sinthu Janita Prakash, **Dr.D.I.George Amalarethinam**, Dr.E.George Dharma Prakash Raj, Extended Queue Management Backward Congestion Control Algorithm, *Springer - Mobile Communication and Power Engineering, Communications in Computer and Information Science*, Vol. 296, 2013, pp. 215-221.(Book Series, volume 296)
- 44) T.Kokilavani, **Dr.D.I.George Amalarethinam**, An Ant Colony Optimization Based Load Sharing Technique for Meta task scheduling in Grid Computing, Springer Link - Advances in Computing and Information Technology, *Advances in Intelligent Systems and Computing*,

Vol. 177, 2013, pp. 395 – 404.

- 45) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, Automatic Construction of Finite Automata for Online recognition of user activities in smart environments, *IOSR Journal of Engineering*, vol. 3, Issue 12, December 2013,pp. 40-45.
- 46) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, Recognition of Concurrent and Interleaved Activities in a Smart Environment using Finite Automata, *International Journal of Computer Applications*, Vol.88,No.16, February 2014,pp. 41-45.
- 47) **Dr.D.I.George Amalarethinam**, B.FathimaMary, Security and Privacy Issues in Location Based Services (Lbs) - A Survey, *Elsevier Proceedings*, 2014.
- 48) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, Detecting Abnormality in Activities Performed by People with Dementia in a Smart Environment, *International Journal of Computer Science & Information Technologies*, Vol.5,No.2, March 2014,pp.2453-2457.
- 49) **Dr.D.I.George Amalarethinam**, J.Sai Geetha,Add-on Security Level for Public Key Crypto system using Magic Rectangle with Column / Row Shifting, *International Journal of Computer Applications*, Vol. 96, No. 14, June 2014, pp.38-43.
- 50) **Dr.D.I.George Amalarethinam**, T.Lucia Agnes Beena, Cloud Scheduling – A Survey, *International Journal of Computer Applications*, Vol.97, No.13, July 2014, pp.27-31.
- 51) **Dr.D.I.George Amalarethinam**, V.Jude Nirmal, Sentiment and Emotion Analysis for Context Sensitive Information Retrieval of Social Networking Sites: A Survey, *International Journal of Computer Applications*, Vol.100, No.10, August 2014, pp.47-58.
- 52) **Dr.D.I.George Amalarethinam**, P.Muthulakshmi, A Proficient Low Complexity Algorithm for Preeminent Task Scheduling intended for Heterogeneous Environment, *Journal of Theoretical and Applied Information Technology*, Vol.67, No.1, September2014.
- 53) G.Kalpana, **Dr.D.I.George Amalarethinam**, Data and Job Aware Community Scheduler Framework for Grid Scheduling Problems, *Research Journal of Applied Sciences, Engineering and Technology*,Vol.8,No.23,2014, pp.2334-2342.
- 54) G.Kalpana, **Dr.D.I.George Amalarethinam**, Cost Effective Resource Allocation Method Using Min-Min Algorithm in Grid Computing, *International Journal of Computer Applications*, Vol. 106, No. 7, November 2014,pp. 11-17.
- 55) **Dr.D.I.George Amalarethinam**, C.Balakrishnan, An improved mechanism of clustering the sites for Peer-to-Peer Distributed Databases, *International Journal of Fuzzy Mathematical Archive*,Vol. 5, No. 2, December 2014,pp 57-69.

- 56) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, OBCAR: An Algorithm for object based Composite activities Recognition in Smart Environments, *International Journal of Emerging Trends & Technology in Computer Science*, Vol.3, No.5, 2014, pp.185-190.
- 57) H.Karamath Ali, **Dr.D.I.George Amalarethinam**, Activity Recognition with Fuzzy Finite Automata, IEEE Explore, DOI 10.1109/WCCCT.2014.34, 2014.
- 58) **Dr.D.I.George Amalarethinam**, V.Jude Nirmal, SECCON: A Framework for Applying Access Control Policies in Context-Aware Wireless Networks, IEEE Explore, DOI 10.1109/WCCCT.2014.27, 2014.
- 59) **Dr.D.I.George Amalarethinam**, J.Sai Geetha, Enhancing Security level for Public key cryptosystem using MRGA, IEEE Explore, DOI 10.1109/WCCCT.2014.32,2014.
- 60) **Dr.D.I.George Amalarethinam**, A.Maria Josphin, Dynamic Task Scheduling Methods in Heterogeneous Systems – A Survey, *International Journal of Computer Applications*, Vol. 110, No.6, January 2015,pp. 12-18.
- 61) V.Jude Nirmal, **Dr.D.I.George Amalarethinam**, Parallel Implementation of Big Data Pre-Processing Algorithms for Sentiment Analysis of Social Networking Data, *International Journal of Fuzzy Mathematical Archive*, Vol. 6, No. 2, January 2015, pp 149-159.
- 62) T.Lucia Agnes Beena, **Dr.D.I.George Amalarethinam**, Analysis of Task Scheduling Algorithm in Fine-Grained and Course-Grained Dags in Cloud Environment, *International Journal of Fuzzy Mathematical Archive*, Vol. 6, No. 2, January 2015,pp 161-168.
- 63) J.Sai Geetha, **Dr.D.I.George Amalarethinam**, ABCRNG - Swarm Intelligence in Public key Cryptography for Random Number Generation, *International Journal of Fuzzy Mathematical Archive*, Vol. 6, No. 2, January 2015,pp 177-186.
- 64) **Dr.D.I.George Amalarethinam**, C.Balakrishnan, An Optimized Strategy for Data Allocation in Peer-To-Peer Distributed Databases, *International Journal of Fuzzy Mathematical Archive*, Vol. 6, No. 2, January 2015,pp 187-186.
- 65) **Dr.D.I.George Amalarethinam**, B.FathimaMary, CRBS-An Architecture for Accessing Location Based Services (LBS) in Cloud,, *International Journal of Fuzzy Mathematical Archive*, Vol. 6, No. 2, January 2015,pp 169-175.
- 66) **Dr.D.I.George Amalarethinam**, T.Lucia Agnes Beena, Customer Facilitated Cost-based Scheduling (CFCSC) in Cloud, *Elsevier Procedia*, Vol. 46, April 2015,pp.660-667. (Science Direct)

- 67) **Dr.D.I.George Amalarethinam**, J.Sai Geetha , Image Encryption and Decryption in Public Key Cryptography based on Magic Rectangle, *IEEE Explorer*, 2015,pp.1-6.
- 68) **Dr.D.I.George Amalarethinam**, J.Sai Geetha, ModBlockExp α A- Enhancement on Speed and Security using Modularization in Public key Cryptography, *International Journal of Applied Engineering Research*,Vol.10,No.14,2015,pp. 33996-34000.
- 69) **Dr.D.I.George Amalarethinam**, J.Sai Geetha, Analysis and Enhancement of Speed in Public Key Cryptography using Message Encoding Algorithm, *Indian Journal of Science and Technology*,Vol.8,No.16,2015,pp.1-7.
- 70) **Dr.D.I.George Amalarethinam**, B.FathimaMary, DMUCE- a Confidentiality Enabled Technique to Improve Cloud User Security, *International Journal of Applied Engineering Research*, Vol.10, No.14, 2015, pp.34103-34108.
- 71) **Dr.D.I.George Amalarethinam**, P.H.Maitheen Shahul Hameed, Analysis of Object Oriented Metrics on a Java Application, *International Journal of Computer Application*, Vol.123, No.1, 2015, pp.32-39.
- 72) G.Kalpana, **Dr.D.I.George Amalarethinam**, Cuckoo Search Based Community Workflow Scheduler Framework For Grid Scheduling with Resource Constraints, *International Journal of Applied Engineering Research*, Vol. 10, No. 4, 2015,pp. 8981 – 9001.
- 73) **Dr.D.I.George Amalarethinam**, P.Muthulakshmi, Effective Scheduling Based on Task Duplication for Scheduling Parallel Applications in Grid Environment, *Research Journal of Applied Sciences, Engineering and Technology*,Vol.10,No.6,2015, pp.663-671.
- 74) **Dr.D.I.George Amalarethinam**, B.FathimaMary, *eDSSuMRT*-Ensured Data Security Strategy using Matrix Random Traversal in Cloud Storage Environment, *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10, No.82,2015,pp.272-279.
- 75) **Dr.D.I.George Amalarethinam**, N.Aswin Vignesh, Prediction of Diabetes mellitus using Data Mining Techniques: A Survey, *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10, No.82, 2015,pp.24-31.
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- 33) Dr,D,I,George Amalarethnam, G.J. Joyce Mary, *ARBIT-DAG* – A Tool to Generate Arbitrary Directed Acyclic Graph, *National Conference on Advanced Computing (NCAC 2012)*, Jamal Mohamed College, Tiruchirappalli, March 1, 2012.
- 34) Dr,D,I,George Amalarethnam, P.Muthulakshmi, Least Cost Path Finder in a Randomly Generated Weighted Graph to Identify Resources in Grid Environment, *National Conference on Advanced Computing (NCAC 2012)*, Jamal Mohamed College, Tiruchirappalli, March 1, 2012.

- 35) T.Kokilavani, Dr.D,I,George Amalarethinam, Performance Evaluation of Load Balanced Min-Min Algorithm, *National Conference on Advanced Computing (NCAC 2012)*, Jamal Mohamed College, Tiruchirappalli, March 1, 2012.
- 36) V.Sinthu Janita Prakash, Dr.D.I.George Amalarethinam, Dr.E.George Dharma Prakash Raj, Fairness Loss Percentage Analysis using QMBCCA in Wireless Environment, *IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012)*, EGS Pillay Engineering College, Nagapattinam, March 30,31, 2012. **(Included in IEEE Xplore)**
- 37) V.Sinthu Janita Prakash, Dr.D.I.George Amalarethinam, Dr.E.George Dharma Prakash Raj, Extended Queue Backward Congestion Control Algorithm for Web Transfers, *International Conference on Modelling, Optimization and Computing (ICMOC 2012)*, Noorul Islam University of Higher Education, Thuckalay, Kanyakumari, April 10-11, 2012. **(Included in ELSEVIER Procedia Engineering 38(2012), pp.2611-2616)**
- 38) V.Sinthu Janita Prakash, Dr.D.I.George Amalarethinam, Dr.E.George Dharma Prakash Raj, Extended Queue Management Backward Congestion Control Algorithm, *International Conference on Advances in Information Technology and Mobile Communication (AIM2012)*, Bangalore, April 27-28, 2012. **(Included in SPRINGER)**
- 39) Dr.D.I.George Amalarethinam, P.Muthulakshmi, *DAGITIZER – A Tool to Generate Directed Acyclic Graph through Randomizer to Model Scheduling in Grid Computing*, *International Workshop on Grid Computing (Gridcom-2012)*, New Delhi, May 25-27, 2012.
- 40) T.Kokilavani, Dr.D.I.George Amalarethinam, An Ant Colony Optimization based Load Sharing Technique for Meta task scheduling in Grid Computing, *International Conference on Advances in Computing and Information Technology*, Chennai, July 13-15, 2012.
- 41) Dr.D.I.George Amalarethinam , C.Balakrishnan , An Optimized Strategy for Replication in Peer-to-Peer Distributed Databases, *International Conference on Advances in Recent Technologies in Communication and Computing, (ARTCom 2012)*, Bangalore, October 19-20, 2012.
- 42) Dr.D.I.George Amalarethinam, P.Muthulakshmi, PD-Sect: A Novel Algorithm For Scheduling Parallel Applications In Grid Environment, *International Conference on Mathematical Methods and Computation ICOMAC 2014* , India, February 13-14, 2014.

- 43) Dr.D.I.George Amalarethnam, Nazreen, Data Security Mechanisms in Cloud Computing Environment, *International Conference on Mathematical Methods and Computation ICOMAC 2014*, India, February 13-14, 2014.
- 44) Dr.D.I.George Amalarethnam, J.Sai Geetha, Enhancing Security level for Public key cryptosystem using MRGA, *World Congress on Computing and Communication Technologies (WCCCT'14)*, India, **IEEE Xplore**, February 27 2014 to March 1 2014.
- 45) Dr.D.I.George Amalarethnam, V.Jude Nirmal, SECCON: A Framework for Applying Access Control Policies in Context-Aware Wireless Networks, *World Congress on Computing and Communication Technologies (WCCCT'14)*, India, **IEEE Xplore**, February 27 2014 to March 1 2014.
- 46) H. Karamath Ali, Dr.D.I.George Amalarethnam, Activity Recognition With Fuzzy Finite Automata, *World Congress on Computing and Communication Technologies (WCCCT'14)*, India, **IEEE Xplore**, February 27 2014 to March 1 2014.
- 47) Dr.D.I.George Amalarethnam, B.FathimaMary, Security and Privacy Issues in Location Based Services (LBS)- A Survey, *National Conference on Data Science & Engineering(NCDS - 2014)*, S T Hindu College, Nagercoil, 8-9 August 2014.
- 48) Dr.D.I.George Amalarethnam,T.Lucia Agnes Beena, Customer Facilitated Cost-based Scheduling (CFCSC) in Cloud, *International Conference on Information andCommunication Technologies(ICICT 2014)*, Cochin University of Science & Technology, Cochin, India, December 3-5, 2014.
- 49) V.Jude Nirmal, Dr.D.I.George Amalarethnam, Parallel Implementation of Big Data Pre-Processing Algorithms for Sentiment Analysis of Social networking data, *International conference on Mathematical Methods and Computations(ICOMAC 2015)*, India, January 22-23, 2015.
- 50) T.Lucia Agnes Beena, Dr.D.I.George Amalarethnam, Analysis of Task Scheduling Algorithm in Fine-Grained and Course-Grained DAGs in Cloud Environment, *International conference on Mathematical Methods and Computations(ICOMAC 2015)*, India, January 22-23, 2015.
- 51) Dr.D.I.George Amalarethnam, B.FathimaMary, CRBS-An Architecture for Accessing Location Based Services (LBS) in Cloud, *International conference on Mathematical Methods and Computations(ICOMAC 2015)*, India, January 22-23, 2015.

- 52) J.Sai Geetha, Dr.D.I.George Amalarethinam, ABCRNG - Swarm Intelligence in Public key Cryptography for Random Number generation, *International conference on Mathematical Methods and Computations(ICOMAC 2015)*, India, January 22-23, 2015.
- 53) Dr.D.I.George Amalarethinam, C.Balakrishnan, An Optimized Strategy for Data Allocation in Peer-To- Peer Distributed Databases, *International conference on Mathematical Methods and Computations(ICOMAC 2015)*, India, January 22-23, 2015.
- 54) Dr.D.I.George Amalarethinam, J.Sai Geetha, Image Encryption and Decryption in Public Key Cryptography based on Magic Rectangle, *International conference on Computing and Communications Technologies (ICCCT'15)*, India, February 26-27, 2015.
- 55) Dr.D.I.George Amalarethinam, B.FathimaMary, *eDSSuMRT*-Ensured Data Security Strategy using Matrix Random Traversal in Cloud Storage Environment, *International conference on Advanced Computing(ICAC'15)*, India, December 3-4,2015.
- 56) Dr.D.I.George Amalarethinam, N.Aswin Vignesh, Prediction of Diabetes mellitus using Data Mining Techniques: A Survey, *International conference on Advanced Computing(ICAC'15)*, India, December 3-4,2015.
- 57) Dr.D.I.George Amalarethinam,C. Balakrishnan, HAADAS: An enhanced approach for Re-allocation of Fragments in Peer-to-Peer Distributed Databases, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4,2015.
- 58) Dr.D.I.George Amalarethinam,T.Lucia Agnes Beena, Scheduling Framework for Regular Scientific Workflows in Cloud, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 59) Dr.D.I.George Amalarethinam, V.Jude Nirmal, Fast and Effective Real Time Sentiment Analysis on Streaming Big Data using Distributed Caching Techniques, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 60) Dr.D.I.George Amalarethinam, S.Kavitha, A Survey on Meta Task Scheduling in Cloud Computing, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 61) T.Kokilavani, Dr.D.I.George Amalarethinam, Extended Load Shared Ant Colony Optimization for Meta Task Scheduling in Grid Computing, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.

- 62) Lalu P.George, Dr.D.I.George Amalarethinam, Challenges in Cloud Computing Security, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 63) Dr.D.I.George Amalarethinam, H.M.Leena, Cloud Security Algorithms, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 64) Dr.D.I.George Amalarethinam, P.H.Maitheen Shahul Hameed, Dependency Analysis for Component Based Systems using Graphs, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 65) Dr.D.I.George Amalarethinam, P.Muthulakshmi, Critical Task First Algorithm for Scheduling Parallel Applications in Grid Environment, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 66) Dr.D.I.George Amalarethinam, J.Sai Geetha, *MRIImgEncA*- Analysis and Enhancement of speed and security in Public key Cryptography for image file, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 67) Dr.D.I.George Amalarethinam,Salvia Horne, Ensuring Data Integrity Auditing for Secure Cloud Storage in Distributed Services, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 68) A.Maria Josphin, Dr.D.I.George Amalarethinam, DAG based Dynamic Task Scheduling in Heterogeneous System, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 69) G.Kalpana, Dr.D.I.George Amalarethinam, Algorithm for Managing Uncertainty in Job and Data Aware Scheduling in Grid Computing, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 70) H. Karamath Ali, Dr.D.I.George Amalarethinam, A Novel Method for Representing User Activities in a Smart Environment, *International conference on Advanced Computing (ICAC'15)*, India, December 3-4, 2015.
- 71) Dr.D.I.George Amalarethinam,T.Lucia Agnes Beena, Differential Evolution Algorithm for Workflow Scheduling (DEWS) in Public Cloud, *International Conference on Computing Communication and Information Science (ICCCIS'16)*,India, July 28,2016.
- 72) Dr.D.I.George Amalarethinam, T.Kokilavani, Reduced Makespan Task Scheduling Algorithm for Grid Computing, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.

- 73) Dr.D.I.George Amalarethinam, S.Kavitha, Enhanced Min-Min Algorithm for Meta-task Scheduling in Cloud Computing, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.
- 74) Dr.D.I.George Amalarethinam ,B.FathimaMary, Confidentiality Technique for Enhancing Data Security in Public Cloud Storage using Data Obfuscation, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.
- 75) Dr.D.I.George Amalarethinam, H.M.Leena, Enhanced RSA Algorithm for Data Security in Cloud, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.
- 76) A.Maria Josphin, Dr.D.I.George Amalarethinam, TDSA -Two Directional Dynamic Task Scheduling Algorithm for Heterogeneous Multiprocessor Environment, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.
- 77) Dr.D.I.George Amalarethinam, P.H.Maitheen Shahul Hameed, Validation of Object Oriented Metrics Using Open Source Software System: Fuzzy Logic Technique, *International Conference on Computing Communication and Information Science (ICCCIS'16)*, India, July 28, 2016.
- 78) Dr.D.I.George Amalarethinam, J.Sai Geetha, Secure Password Transmission Using Cryptography and Image, *National Conference on Computing and communication Technologies (NCCCT 2016)*, India, September 17, 2016.
- 79) Dr.D.I.George Amalarethinam, J.Sai Geetha, Enhancement of Security in Public Key Cryptography Using Message Encoding With Bit Stuffing, *National Conference on Computing and communication Technologies(NCCCT 2016)*, India, September 17,2016.
- 80) Dr.D.I.George Amalarethinam, J.Sai Geetha,DNA Cryptography Using Asymmetric Key Exchange Network and Routing Protocol, *National Conference on Computing and communication Technologies (NCCCT 2016)*, India, September 17, 2016.
- 81) Dr.D.I.George Amalarethinam, J.Sai Geetha, Asymmetric Group Communication Security Using PRNG, *National Conference on Computing and communication Technologies (NCCCT 2016)*, India, September 17, 2016.

- 82) Dr.D.I.George Amalarethinam,Dr.Anjana S.Chandran, A Survey of Cloud Authentication Threats, *National Conference on Computing and communication Technologies* (NCCCT 2016), India, September 17, 2016.
- 83) Dr.D.I.George Amalarethinam,T.Lucia Agnes Beena, Comparative Analysis of Workflow Scheduling Algorithms in Public Cloud, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 84) Dr.D.I.George Amalarethinam, H.M.Leena, Enhanced RSA Algorithm With Varying Key Sizes For Data Security In Cloud, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 85) Dr.D.I.George Amalarethinam ,B.FathimaMary, Data Security Enhancement in Public Cloud Storage using Data Obfuscation and Steganography, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 86) Dr.D.I.George Amalarethinam, V.Jude Nirmal, Real-Time Sentiment Prediction on Streaming Social Network Data Using In-Memory Processing, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 87) Dr.D.I.George Amalarethinam, N.Aswin Vignesh, Rule Extraction for Diagnosis of Diabetes Mellitus Used for Enhancing Regular Covering Technique, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 88) Dr.D.I.George Amalarethinam, A.Maria Josphin, DyDupSA-Dynamic Task Duplication based Scheduling Algorithm for Multiprocessor System, *World Congress on Computing and Communication Technologies*(WCCCT 2017), India, February 2-4,2017. **(Included in IEEE Xplore)**
- 89) Dr.D.I.George Amalarethinam, S.Kavitha, Priority based Performance Improved Algorithm for Meta-task Scheduling in Cloud Environment, *International Conference on Computing and Communication Technologies* (ICCCT '17), India, February 23-24, 2017. **(Included in IEEE Xplore)**

- 90) Dr.D.I.George Amalarethnam, H.M.Leena, Asymmetric Addition Chaining Cryptographic Algorithm (ACCA) for Data Security in Cloud, *International Conference on Big-Data and Cloud Computing (ICBDCC17)*, India, April 1-2, 2017. **(Included in SPRINGER)**
- 91) Dr.D.I.George Amalarethnam, J. Madhu Priya, Survey on Data Security in Multi-Cloud Environment, *International Conference On Mathematical Methods And Computation(ICOMAC-2017)*,India, December 11,2017.
- 92) Dr.D.I.George Amalarethnam, N.Aswin Vignesh, A New Monotony Advanced Decision Tree Using Graft Algorithm to Predict the Diagnosis of Diabetes Mellitus, *International Conference On Mathematical Methods And Computation(ICOMAC-2017)*,India, December 11,2017.
- 93) Dr.D.I.George Amalarethnam, B.FathimaMary, Security Enhancement for Public Cloud Storage with Minimum Cost, *International Conference On Mathematical Methods And Computation(ICOMAC-2017)*,India, December 11,2017.
- 94) Dr.D.I.George Amalarethnam, H.M.Leena, A Comparative Study on Various Symmetric key Algorithms for enhancing data Security in Cloud Environment, *International Conference On Mathematical Methods And Computation (ICOMAC-2017)*,India, December11,2017.
- 95) Dr.D.I.George Amalarethnam, Lalu P.George, GLEnc Algorithm to Secure Data in Public Cloud Environment, 4th International Conference on Cyber Security and Privacy in Communication Networks (ICCS), Jaipur (Rajasthan), India, October 26-27,2018. **(Included in ELSEVIER)**
- 96) Dr.D.I.George Amalarethnam, Lalu P.George,Anjana S.Chandran, Globus Mechanism to Protect Public Cloud Storage, *International Conference On Mathematical Methods And Computation(ICOMAC-2019)*,India, February 20-21,2019.
- 97) Dr.D.I.George Amalarethnam, B.FathimaMary, Comparative Analysis of Obfuscation Techniques in Public Cloud, *International Conference On Mathematical Methods And Computation (ICOMAC-2019)*,India, February 20-21,2019.
- 98) Dr.D.I.George Amalarethnam, H.M.Leena, A Framework of the Deployment of Security Services in Microsoft Azure Cloud Environment, *International Conference On Mathematical Methods And Computation (ICOMAC-2019)*,India, February 20-21,2019.

- 99) Dr.D.I.George Amalarethnam, S.Edel Josephine Rajakumari, A Survey on Security Challenges in Cloud Computing, *International Conference On Mathematical Methods And Computation (ICOMAC-2019)*, India, February 20-21, 2019.
- 100) Dr.D.I.George Amalarethnam, Lalu P.George, GLEncObfus-Encryption and Obfuscation Technique to Enhance Data Protection in Public Cloud Storage, ICAC 2019, Jamal Mohamed College, Trichy December 12, 2019.
- 101) Dr. D.I. George Amalarethnam, P. Mercy, An Analysis of Quality of Service (QoS) based Routing in Internet of Things (IoT), *International Conference on Smart and Innovative Technologies – The Future of Digital India (ICSIT '20) at Holy Cross College, Trichy, India* on 16th and 17th March 2020.
- 102) Dr. D.I. George Amalarethnam, J. Madhupriya, MAGCIPHER – An Enhanced Cryptography Encryption for securing the data in Hybrid Cloud, *International Conference on Smart and Innovative Technologies – The Future of Digital India (ICSIT '20) at Holy Cross College, Trichy, India* on 16th and 17th March 2020.

Conference / Workshop Organized:

1. Organized **UGC sponsored (Grants received Rs. 85000) National Conference on Advanced Computing (NCAC-2009)** at Department of Computer Science, JamalMohamed College(Autonomous),Tiruchirapalli held on 27th & 28th March 2009.
2. Organized a Two-day workshop on Research Methodology in Computer Science in Jamal Mohamed College, Tiruchirapalli in February 2010.
3. Organized a Two-day workshop on Research Methodology in Computer Science in Jamal Mohamed College, Tiruchirapalli on 21st and 22nd December 2010.
4. Organized a Two-day workshop on Research Methodology in Computer Science in Jamal Mohamed College, Tiruchirapalli on 23rd and 24th January 2013.
5. Organized an **International Conference on Advanced Computing (ICAC 2015)** under UGC Autonomous Grants at Department of Computer in Jamal Mohamed College, Tiruchirappalli, held on 3rd and 4th December 2015.
6. Organized a Two-day workshop on Professional Development for Academic Leadership in Curriculum Design in Jamal Mohamed College, Tiruchirapalli on 18th and 19th January 2019.

7. Organized a One-day workshop on Orientation Programme on Preparing Course Outcomes in the Curriculum Design in Jamal Mohamed College, Tiruchirappalli on 3rd January 2020.
8. Organized a Webinar on International Joint Webinar & PG Colloquium 2020, Multimedia University, Malaysia on 28th December 2020.
9. Organized an **International Seminar on Advanced Computing (ISAC 2022)** in Jamal Mohamed College, Tiruchirappalli on 10th and 11th March 2022.

Details of Chairing / Resource Person:

1. Acted as resource person and delivered a Special Lecture on Unix Internals in the Computer Science Association Inaugural Activities at AIMAN College of Arts and Science, Tiruchirappalli on 9th August 2002.
2. Acted as Chairperson in UGC Sponsored State Level Seminar on Emerging Trends in IT at Sri Sarada College for Women, Salem on 15th December 2004.
3. Acted as resource person and delivered a Special Lecture on Unix Internals in the Computer Science Association at NGM College, Pollachi on 19th August 2005.
4. Acted as resource person and delivered a special lecture on Recent Trends in IT in the Computer Science Association inauguration at PGP College of Arts & Science, Namakkal on 3rd September 2005.
5. Delivered a Valedictory Address in the Computer Science Association Activities at Government Arts College, Ariyalur on 23rd March 2006.
6. Acted as Chairperson for paper presentation event in National Conference on Emerging Trends in IT at Jayaram College of Engg & Technology, Tiruchirappalli on 20th September to 22nd September 2006.
7. Acted as Chairperson for paper presentation in BOOTFETE at Bishop Heber College, Tiruchirappalli on 7th October 2006.
8. Acted as Chairperson for Multimedia Presentation event in BISFOSS Symposium at Bharathidasan University, Tiruchirappalli on 2nd March 2007.
9. Inaugurated the Computer Science Association and gave a talk on Scenario of Current Trends in IT at Bishop Heber College, Tiruchirappalli on 28th August 2007.
10. Chairperson for the Paper Presentation in the National Conference on BioInformatic Tools for Gene & Protein Analysis at Shrimati Indira Gandhi College, Tiruchirappalli on 8th September 2007.

11. Chairperson for the Paper Presentation in the International Conference on Data warehousing, Data Mining and Networking at Jayaram College of Engineering, Thuraiyuron 4th October 2007.
12. Acted as resource person for a session on Operating System (Foundation and Current Trends) to the newly recruited College teachers organized by TANSICHE at BUTP, Tiruchirappalli on 12th January 2008.
13. Chairperson for the Paper Presentation in the National Conference on Artificial Intelligence and Neural Networks, NCAN 2008 at SRM University, Chennai on 22nd February 2008.
14. Inaugurated the Computer Science Association for the year 2008-2009 and gave a talk on “Present Scenario in IT” at St. Joseph’s College, Tiruchirappalli on 10th July 2008.
15. Inaugurated the Computer Science Association for the year 2008-2009 and gave a special lecture on “Parallel Processing” at Kurinji College of Arts and Science, Tiruchirappalli on 18th August 2008.
16. Delivered a special lecture on “New Trends in Parallel Processing” at Chidambaram Pillai College for Women, Mannachanallur on 26th August 2008.
17. Delivered an invited talk on “Genetic Algorithms” in the National Level Conference on Advanced Computing at Thanthai Hans Roever College, Perambalur on 26th September 2008.
18. Chairperson for paper presentation in the National Conference on Frontiers in IT at Thanthai Hans Rover College, Perambalur on 2nd February 2009.
19. Chairperson for paper presentation in the National Level Technical Symposium KSHAKTRIYA 09 at School of Computer Science and Engg, BARD on 27th February 2009.
20. Chairperson for the Paper Presentation Session in the UGC Sponsored International Conference on Mathematical Methods and Computation ICOMAC 2009 at Jamal Mohamed College (Autonomous), Tiruchirappalli on 24th and 25th July 2009.
21. Member of Organizing Committee as National Advisor for the International Conference on Advanced Computing ICAC-09 conducted by Bharathidasan University Technology Park and Cauvery College for Women, Tiruchirappalli, Tamil Nadu, India from 6th to 8th August 2009.
22. Chairperson for the Paper Presentation in the International Conference on Advanced Computing, ICAC 2009 at Cauvery College for Women, Tiruchirappalli on August 2009.
23. Chairperson for the Paper Presentation in the National Conference on Emerging Trends in Communication Information Technology (ETCIT’10) at Holy Cross College, Tiruchirappalli on 6th and 7th January 2010.

24. To impart Soft Skills training to the candidates for attending the Job Fair of **Kalaignar '86** at Tiruchirappalli on 9th February 2010.
25. Chairperson for the Paper Presentation in the Two day National Level Conference on Innovations in IT (NALCIT) organized by Thanthai Hans Roever College, Perambalur on 5th March 2010.
26. Chairperson for the Paper Presentation in the National Level Seminar on Graph Theory, Algorithms and Modelling, GAM 2010 organized by Dept. of Mathematics at JamalMohamed College (Autonomous), Tiruchirappalli on 19th March 2010.
27. Inaugurated the Computer Applications Association at THRC, Perambalur on 28th July 2010 and delivered a talk on Open Source Technologies.
28. Inaugurated the IT Association at Bishop Heber College, Tiruchirappalli on 5th August 2010 and delivered a talk on Remote Infrastructure Management.
29. Delivered an invited talk on Programming Skills at National College, Tiruchirappalli on 12th August 2010.
30. Delivered an invited talk on Role of Mathematics in Computer Science on 15th December 2010 in Dept. of Mathematics at Holy Cross College, Tiruchirappalli -2.
31. Delivered an invited talk on Research in Computer Science – A Perspective on 17th January 2011 on the Research Day of St. Joseph's College, Tiruchirappalli – 2.
32. Chairperson for the Technical Session on Information Technology and Health Care in the National Conference on Management - in the Age of Innovation - NCM 2011 in Jamal Institute of Management on 25th Jan. 2011.
33. Delivered a Valedictory Address in the *Softtech '11*, an inter-collegiate technical symposium at Pavendar Bharathidasan College of Arts and Science, Tiruchirappalli, on 11th February 2011.
34. Delivered a talk on “Research concepts in Computer Science” organized by Cauvery College for Women, Tiruchirappalli on 14th February 2011.
35. Inaugurated the Faculty Development Programme in Computer Science and delivered a talk on “Research Prospects in Computer Science” at St. Joseph's College Tiruchirappalli on 10th June 2011.
36. Chairperson for the Paper Presentation in the National Level Technical Symposium, FABULOSH, School of Computer Science, SRM University, Chennai on 16th February 2012

37. Chairperson for the Paper Presentation in the National Level Technical Symposium, Dept. of Information Technology, St. Joseph's College, Tiruchirappalli on 17th February 2012
38. Delivered a Valedictory Address in the *UDTECH 2012*, an inter-collegiate technical symposium at Urumu Dhanalakshmi College, Tiruchirappalli, on 6th March 2012.
39. Delivered an invited talk on "Genetic Algorithm " in the UGC Sponsored National Level Seminar on Soft Computing, Kadir Mohideen College, Adirmpatnam on 18th March 2012.
40. Delivered a talk on "Role of Mathematics in the Area of Computer Science" at Nehru Memorial College, Puthanampatti on 21st March 2012.
41. Chairperson for the Paper Presentation in the National Conference on Software Engineering at Sacred Heart College, Tirupattur on 31st August 2012
42. Chairperson for the Paper Presentation in the State Level Technical Symposium, WEBFEST at Holy Cross College, Tiruchirappalli on 29th September 2012.
43. Delivered a Valedictory Address in the One-day Workshop on Android and its Applications at St. Joseph's College, Tiruchirappalli on 8th December 2012.
44. Expert committee member to conduct academic audit in Department of Computer Science, Government Arts College for Women (Autonomous), Kumbakonam, July 2013.
45. Expert committee member to conduct academic audit in Department of Computer Science, Bishop Heber College (Autonomous), Tiruchirappalli. October 2013.
46. Delivered a special lecture on "Parallel Computing" at Aiman College for Women, Tiruchirappalli on 10th February 2014.
47. Chairperson for the Paper Presentation Session in the International Conference on Mathematical Methods and Computation ICOMAC 2014 at Jamal Mohamed College (Autonomous), Tiruchirappalli on 13th & 14th February 2014.
48. Delivered an Inaugural Address in Cynosure 2K14, an Intercollegiate Technical Symposium at Seethalakshmi Ramaswamy College, Tiruchirappalli on 22nd August 2014.
49. Chairperson for the Paper Presentation Session in the International Conference on Mathematical Methods and Computation ICOMAC 2014 at Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th & 28th January 2015.
50. Delivered an Inaugural Address in Cyberfest 2015, an Intra collegiate Technical Symposium at Holy Cross College, Tiruchirappalli on 11th December 2015.

51. Expert committee member to conduct External Academic Audit in Department of Computer Science at Sacred Heart College (Autonomous), Tiruppattur, on 14th and 15th December 2015.
52. Expert Member in the Panel Discussion at the Two-Day Workshop on Big Data Analytics and Business Intelligence on 5th January 2016.
53. Advisor in National Conference on Emerging Technologies in Computer Science (NCETCS 2016), Pondicherry on 29th January 2016.
54. Acted as resource person for The First International Conference on Innovative Algorithms- ICIA 2017 at Bharathiar University, Coimbatore on August 2017.
55. Delivered an invited talk in the One-day National Workshop on Writing Research Thesis and Articles at Sri Vidhya Mandir College of Arts and Science, Uthangarai, Krishnagiri on 12th February 2016.
56. Moderator in the Panel Discussion and delivered Valedictory Address at the World Class Curriculum in Computer Science - Consultative Workshop at BUTP Tiruchirappalli on 16th February 2016.
57. Delivered an invited talk in the One-day National Conference on Recent Trends in Computer Science at Saradha Gangadharan College, Pondicherry on 27th February 2016.
58. Chairperson for the Paper Presentation Session in the International Conference on Computing Communication and Information Science ICCIS 2016 at Bishop Heber College (Autonomous), Tiruchirappalli on 28th July 2016.
59. Delivered an Inaugural Address in the Two-Day National Seminar on Effective eLearning with Cloud –based Services and LMS at St.Joseph’s College, Tiruchirappalli on 15th December 2016.
60. Chief Guest in NACOFEST 2K17- A State Level Technical Meet- delivered Valedictory Address and distributed the Prizes at National College, Tiruchirappalli on 3 February 2017.
61. Chairperson for the Paper Presentation Session in the International Conference on World Congress on Computing and Communication Technologies WCCCT 2017 at St.Joseph’s College (Autonomous), Tiruchirappalli on 4th February 2017.
62. Advisor in International Conference on Advancements in Computing Resources (SSICACR-2017), karaikudi on 9th & 10th March 2017.
63. Moderator for Panel Discussion in the International Workshop on World Class Curriculum Design for Computer Science organized by Department of Computer Science, Engineering and Application, Bharathidasan University, Tiruchirappalli on 28th July 2017.

64. Advisor in First International Conference on Innovative Algorithms-ICIA 2017, Bharathiar University, Coimbatore on August 2017.
65. Advisor in National Seminar on Innovative Computing Technologies, Holy Cross College, Tiruchirappalli on 8th January 2018.
66. Advisor in Two day National Conference on Transforming Technology, Srimad Andavan Arts and Science College, Tiruchirappalli on 24th and 25th January 2018.
67. Chairperson for the Paper Presentation Session in National Conference on Computing and Communication Technologies (NCCCT-2018), Jamal Mohamed College, Tiruchirappalli on 20th February 2018.
68. Advisor in National Conference on Communication Technologies, Bishop Heber College, Tiruchirappalli on 26th February 2018.
69. Acted as resource person for a session on Research Avenues in Computer Science, Sacred Heart College(autonomous), Tirupattur on 24th August 2018.
70. Inaugurated the State Level Intercollegiate Meet- TECHMEET 2018, Fatima College(Autonomous), Madurai on 31st August 2018.
71. Expert Member in the Academic Audit in the department of Computer Science, Computer Applications and Information Technology, Cauvery College for Women, Tiruchirappalli on 21st September 2018.
72. Acted as program committee for the Fourth International Conference on Advanced in Computing, Communication & Automation (ICACCA 2018), Taylor's University, Subang jaya, Malaysia on 26th to 28th October 2018.
73. Delivered an Inaugural Address in the CHITS 2019 at Bishop Heber College (Autonomous), Tiruchirappalli on 1st March 2019.
74. Expert committee member to conduct External Academic Audit at Jayaraj Annappaikiam College for Women (Autonomous), Periyakulam, on 18th July 2019.
75. Acted as Chief Guest and Delivered a Special Address in Teachers Day Celebrations at Jamal Mohamed College of Teacher Education on 5th September 2019.
76. Adjudicator for the Competition on Models out of E-waste at Shrimati Indira Gandhi College, Tiruchirappalli on 18th October 2019.
77. Chairperson for the Orientation Programme on Preparing Course Outcomes in the Curriculum Design at Jamal Mohamed College, Tiruchirappalli on 3rd January 2020.

78. Expert committee member to conduct External Academic Audit in Department of Computer Science at Sacred Heart College (Autonomous), Tiruppattur on 20th January 2020.
79. Expert Member for Screening research proposals of faculty members under Seed Money Scheme at Jamal Mohamed College, Tiruchirappalli on 4th February 2020.
80. Advisor in *International Conference on Smart and Innovative Technologies – The Future of Digital India (ICSIT '20) at Holy Cross College, Tiruchirappalli, India* on 16th and 17th March 2020.
81. Chairperson for the Paper Presentation Session in *International Conference on Smart and Innovative Technologies – The Future of Digital India (ICSIT '20) at Holy Cross College, Tiruchirappalli, India* on 16th and 17th March 2020.
82. Delivered a Special Lecture in Applications of Mathematics in Computer Science at Jamal Mohamed College, Tiruchirappalli on 13th June 2020.
83. Acted as Subject Expert in Faculty Selection Committee for the Department of Data Science, St. Xavier's College, Palayamkottai on 18th August 2020.
84. Delivered a Special Lecture in Applications of Mathematics in Digital Era at Jamal Mohamed College, Tiruchirappalli on 10th October 2020.
85. Moderator in Panel Discussion at Kristu Jayanthi College, Bengaluru on 10th November 2020.
86. Chief Guest in Induction Programme for I MCA students at St. Joseph's College, Tiruchirappalli on 16th December 2020.
87. Keynote Speaker in International Joint Webinar & PG Colloquium 2020 and Delivered a Special Lecture in Cloud Computing : Past, Present and Future – A Golden Era of Computing Technology , Multimedia University, Malaysia on 28th December 2020.
88. Expert Member Screening Research Proposals of Faculty Members under seed money scheme for the year 2020-21 on 10th March 2021.
89. Keynote Speaker in International Joint Webinar & PG Colloquium 2021 and Delivered a talk on Internet of Everything : Defining Future Today, Multimedia University, Malaysia on 20th December 2021.

90. Acted as Resource Person and delivered a talk on “POs, PSOs, COs : Writing & Mapping for implementing OBE in Refresher Course in Educational Reforms & Innovative Pedagogies (Multidisciplinary), organized by UGC-HRDC, Bharathidasan University, Tiruchirappalli on 09.02.2022.
91. Acted as Resource Person and delivered a talk on “Mapping Outcomes and Relationship Matrix” in Short Term Course in Outcome Based Education & Learning Outcome Based Curriculum Framework, organized by UGC-HRDC, Bharathidasan University, Tiruchirappalli on 24.02.2022.
92. Delivered Inaugural Address in National-Level Virtual Conference on Information and Computing Technologies, NVCICT-2022, Department of Information Technology, Bishop Heber College, Tiruchirappalli on 25.02.2022.
93. Conducted a one-day workshop on Outcome Based Curriculum Design Using Mapping at Government Arts College for Women, Pudukkottai on 19.03.2022.
94. Keynote Speaker in International Joint Webinar & PG Colloquium 2023 and Delivered a talk on Virtual Data Analytics : Seeing the world of Data, Multimedia University, Malaysia on 05.10.2023.
95. Conducted a Faculty Orientation Programme on Preparation for NAAC at Cauvery College for Women, Tiruchirappalli on 03.11.2023.
96. Expert Member to conduct Academic and Administrative Audit at American College, Madurai, on 19.12.2023.

Details of Seminars / Conferences / Workshops Attended:

1. Participated in UGC sponsored Seminar on Trends in Client Server Computing at Shrimati Indira Gandhi College, Tiruchirappalli on 25th March and 26th March 1997.
2. Participated in a two day Seminar on Java and its Applications at St. Joseph’s College, Tiruchirappalli on 17th September and 18th September 1999.
3. Participated in a two day Seminar on Research Trends in Information Technology at St. Joseph’s College, Tiruchirappalli on 28th February 2003 and 1st March 2003.
4. Participated in State Level Seminar on Research Trends in Concurrent Systems at St. Joseph’s College, Tiruchirappalli on 26th to 28th August 2004.
5. Participated in UGC Sponsored State Level Seminar on Emerging Trends in IT at Sri Sarada College for Women, Salem on 15th December 2004.
6. Participated in the International Workshop on E-Governance at United Nations University, Kathmandu, Nepal on 12th Dec. 2005.
7. Participated in National Level Seminar on Emerging Trends in IT at Department of Computer

- Science, Bharathidasan University, Tiruchirappalli on 3rd and 4th February 2006.
8. Participated in UGC Sponsored three day Workshop on Curriculum Development and Evaluation organized by UGC – Academic Staff College, Bharathidasan University, Tiruchirappalli, conducted at Jamal Mohamed College, Tiruchirappalli on 2nd to 4th March 2006.
 9. Participated in Emerging Trends in Information Technology, Bharathidasan University, Tiruchirappalli on 03-02-2006 to 04-02-2006.
 10. Participated in State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Tiruchirappalli on 28th March 2006.
 11. Participated in National Conference on Frontier Research Areas in Computer Science, Bharathidasan University, Tiruchirappalli on 17th and 18th August 2006.
 12. Participated in State Level Seminar on Soft Computing, St. Joseph's College, Tiruchirappalli on 22nd September 2006.
 13. Participated in Training of College Teachers on Soft Skill Development, Bharathidasan University Technology Park, Tiruchirappalli on 06.02.2007 to 10.02.2007.
 14. Participated in Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Tiruchirappalli on 23rd and 24th February 2007.
 15. Participated in Second National Conference on Frontier Research Areas in Computing Sciences, Bharathidasan University, Tiruchirappalli on 5th & 6th October 2007.
 16. Participated in State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Tiruchirappalli on 22nd March 2007.
 17. Participated in One day workshop on Training of Placement Officers at Jamal Mohamed College, Tiruchirappalli on 30th August 2007.
 18. Participated in Train the Trainer Programme on Soft Skills by ELCOT at Wipro Technologies, Chennai on 20th and 21st September 2007.
 19. Participated in Second National Conference on Frontier Research Areas in Computing Sciences, at Bharathidasan University, Tiruchirappalli on 5th and 6th October 2007.
 20. Participated in Special Workshop on “Open Source Software” at Bharathidasan University Technology Park”, Tiruchirappalli on 23rd and 24th January 2008.
 21. Participated one day workshop on Leveraging Accreditation for Assuring Quality in HEI, organized by CII, Coimbatore on 9th September 2011.
 22. Participated one day workshop on Innovative Curriculum Designing and Evaluation organized by Curriculum Development Cell, Bharathidasan University, Tiruchirappalli on 14th August 2015.

23. Participated one day workshop on World Class Curriculum in Computer Science – Consultative Workshop organized by Department of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli on 16th February 2016.
24. Participated a Panel Discussion on Opportunities and Challenges in Higher Education – International & National Perspectives organized by National Institute of Technology, Tiruchirappalli on 19th September 2016.
25. Attended the one day International Workshop on World Class Curriculum Design for Computer Science organized by Department of Computer Science, Engineering and Application, Bharathidasan University, Tiruchirappalli on 28th July 2017.
26. Participated a Two day International Conference on Mathematical Methods and Computation (ICOMAC 2019) organized by Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 20th and 21st February 2019.
27. Participated a Two-Day National Seminar on Emerging Trends in computer science at Government College for Women, Kumbakonam on 13th and 14th July 2019.
28. Attended a Workshop on Quality Enhancement of Research : New Paradigm in Trans-disciplinary approaches and IPR at Jamal Mohamed College, Tiruchirappalli on 6th September 2019.
29. Attended a FDP on Unleashing Machine Learning and Cloud Computing at HolyCross College (Autonomous), Tiruchirappalli on 9th May 2020.
30. Attended a FDP on GeoGebra 5.04 at IIT Bombay on 10th May 2020.
31. Attended a FDP on R training at IIT Bombay on 15th May 2020.
32. Attended a FDP on AI – from Zero to Hero at Padmavani Arts & Science College for Women, Salem on 18th May 2020.
33. Participated a FDP on Data Science at Jamal Mohamed College, Tiruchirappalli on 18th May 2020.
34. Participated a FDP on SAP at Jamal Mohamed College, Tiruchirappalli on 18th May 2020.
35. Attended a FDP on Outcome Based Education at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 22nd May 2020 to 29th May 2020.

36. Attended an International Faculty Development Programme on Artificial Intelligence and IoT- Heuristic Transdisciplinary Perspectives at Holy Cross College, Tiruchirappalli on 4th July 2020 to 10th July 2020.
37. Participated a Webinar on National Education Policy 2020, IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th August 2020.
38. Participated a Webinar on International Conference on AI, Robotics and Automation, ICTACT on 14th October 2020 to 18th October 2020.
39. Participated an International Conference on Advances in IoT, High Performance and Edge Computing, ICTACT on 14th October 2020 to 18th October 2020.
40. Participated a National Webinar on Unified Academic Process for Higher Education, Camu Digital Campus, Chennai on 17th October 2020.
41. Participated in International Joint Webinar & PG Colloquium 2020, Multimedia University, Malaysia on 28th December 2020.
42. Participated in International Joint Webinar & PG Colloquium 2020, Multimedia University, Malaysia on 20th December 2021.
43. Attended National Level Workshop on NIRF India Rankings 2022 for Higher Educational Institutions, organized by Collegiate Education and Technical Education Department, Government of Telangana on 5th and 6th January 2022.

Other Credits:

- Awarded Teacher Fellowship by University Grants Commission, New Delhi – Faculty Improvement Programme for completion of Ph.D. from January 2005 to January 2006.
- **Approved Research Advisor for Ph.D. in Computer Science**
 Bharathidasan University, Tiruchirappalli
 Bharathiar University, Coimbatore.
- Nominated by Vice-Chancellor as **One-man Commission** by Bharathidasan University to visit various Colleges in Bharathidasan University to start M.Phil., MCA, B.Sc., and BCA.
- Nominated by Vice-Chancellor as the **Advisory Committee Member** for the Bharathidasan University Technology Park (**BUTP**) for a period of three years from November 2007.
- Received Distinguished Educational Service Award given by the Management of Jamal Mohamed College on 7th February 2011.
- GOVERNING BODY MEMBER TMSSS SINCE 2013.

- Awarded **Jamal Research Excellence Award – 2019** by the Management of Jamal Mohamed College on 20th March 2019.

Countries visited:

NEPAL, USA