

CURRICULUM VITAE

Name : Dr. F. Kurus Malai Selvi
Designation : HOD & Associate Professor
Department Name : Computer Science
Date of Birth : 22.01.1972
Date of Govt Appointment : 19.04.1999
Sex : Female
Marital Status : Married
Present Address :



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674A, III Cross Street
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Qualification : M.Sc., M.Phil., Ph.D., SLET Passed.
Specializations : Operating Systems, Grid Computing, Parallel Processing
Experiences : Undergraduate : 29, Post Graduate : 26
Research Guidance : M.Phil. - 11

Details of Book/ Paper Published

1. “The Best-effort based Workflow Scheduling in Grid Computing - An overview”, International Journal of Research and Reviews in Computer Science (ISSN: 2079-2557) Vol. 2, No. 1, pp: 48-55, March 2011.
2. “An Efficient Dual Objective Grid Workflow Scheduling Algorithm”, International Journal of Computer Applications (ISSN: 0975 – 8887) Volume 33– No.1, pp:7-12, November 2011.
3. “A Task Duplication Based Efficient Multi objective Grid Workflow Scheduling Algorithm”, International Journal of Advanced Research in Computer Science (ISSN: 0976-5697), Volume 3 No. 2, pp.87-92, March-April 2012.
4. “A Minimum Makespan Grid Workflow Scheduling Algorithm”, IEEE Explorer Digital Library Proceedings of International Conference on Computer Communication and Informatics (ISBN: 978-1-4577-1508-8), (ICCCI) Coimbatore, pp.1-6. January 2012.
5. “A Workflow Scheduling Algorithm using Min-Min Method with Communication Cost”, Proceedings of National Conference on Advance Computing (NCAN2011), Trichy, February 2011.
6. “ARBIT-DAG, A Tool to Generate Arbitrary Directed Acyclic Graph for Task Scheduling”, Proceedings of National Conference on Advance Computing (NCAC 2012), Trichy, March 2012.
7. “Grid Scheduling Strategy using GA (GSSGA)”, International Journal of Computer Technology and Applications (ISSN:2229-6093 (online version)), September-October 2012.
8. “Security Aspects of Cloud Based Environments”, International Journal of Computer Sciences and Engineering (E- ISSN :2347-2693, Vol. -7, 4th Feb 2019).
9. “An Efficient Machine Learning Based Crime Type Analysis and Prediction Model”, The International Journal of Analytical and Experimental Model Analysis” (ISSN : 0886-9367, 15th August 2019).
10. “An Optimal Feature Subset Selection Based Classification Model for Heart Disease Diagnosis and Prediction System”, International Journal of Analytical and Experimental Model Analysis” (ISSN : 0886-9367, 15th August 2019).

11. "Learning of Stegnography Algorithm", Adalya Journal (Web of Science Group) [P.No 500-506, Vol. 9, Issue 2, February 2020].
12. "A Modified K-Means Algorithm for Big Data Clustering" Adalya Journal (Web of Science Group) [P.No 507-512, Vol. 9, Issue 2, February 2020].
13. "Studying Online Shopping Using BRON – KESBOSCH Algorithm in Big Data ", Adalya Journal (Web of Science Group) [P.No 513-518, Vol. 9, Issue 2, February 2020].
14. "A Survey on load balancing Techniques in cloud computing servers", DESIGN ENGINEERING ,ISSN:0011-9342[Issue :7 Pages:5957-5968,2021]
15. "An Enhanced Ant Colony Optimization based Task Scheduling algorithm for Cloud Computing",NeuroQuantology,June2022,Volume 20 ,[Issue 6,Page 8627-8634]

Details of Seminars/ Conferences/ Workshop Attended:

- Participated in a two day workshop sponsored by TANSICHE for Higher Education on "Curriculum Development for Job-Oriented Courses, Bharathidasan University, Tiruchirappalli from 18.03.2003 to 19.03.2003.
- Participated in the National Level Seminar on "Emerging Trends in Information Technology", Bharathidasan University, Tiruchirappalli from 03.02.2006 to 04.02.2006.
- Participated in the Residential Programme on "Training of College Teachers on Soft-Skill Development (TCTSD), Bharathidasan University Technology Park and Confederation of Indian Industry(CII), Tiruchirappalli from 06.02.2007 to 10.02.2007.
- Participated in the National Conference on "Computer Science and Communication Technology", St.Joseph's College, Tiruchirappalli from 16.02.2007 to 17.02.2007.
- Participated in the Three day Workshop on "Curriculum Development and Evaluation" organized by Bharathidasan University, Tiruchirappalli conducted at Government College for Women, Kumbakonam, from 06.06.2007 to 08.06.2007.
- Participated in the National Conference on Advanced Computing(NCAC), Jamal Mohamed College, Tiruchirappalli from 27.03.2009 to 28.03.2009.
- Participated in the Two days workshop on "Research Methodology in Computer Science, Jamal Mohamed College, Tiruchirappalli from 21.12.2010 to 22.12.2010.

- Participated in the Three days workshop on “Grid and Cloud Computing” PSG College of Technology, Coimbatore from 28.01.2011 to 30.01.2011.
- Participated in the AICTE sponsored Staff Development Programme on “Algorithms and Complexity Theory, P.R.Engineering College, Thanjavur from 31.05.2011 to 04.06.2011.
- Participated in the two days Workshop on “Frontier Areas in Symbolic Computing and Cloud Computing” at Government College for Women (Autonomous), Kumbakonam from 31.01.2014 to 01.02.2014.
- Participated in the one day Workshop on “Heal Your Living – The CORPORitual Way” at Government College for Women (Autonomous), Kumbakonam on 15.03.2014.
- Participated in the three days Mini Winter School on Ultracold Atoms at Government College for Women (Autonomous), Kumbakonam from 22.12.2014 to 24.12.2014.
- Participated in the one day Workshop on PC Hardware, Networking and Troubleshooting at Government College for Women (Autonomous). Kumbakonam on 21.02.2015.
- Participated in the one day Seminar on “Creative Teaching Techniques” at Government College for Women(A), Kumbakonam on 22.08.2015.
- Participated in the two days International Conference on “Advance Computing ICAC-2015” at Jamal Mohamed College, Tiruchirappalli from 03.12.2015 to 04.12.2015.
- Participated in one day conference on “Advanced Computing” at SASTRA University,Kumbakonam on 24.02.2017
- Participated in the One-day Workshop on “ Preparation of Student Project Proposal for State and Central Government Funding Agencies” at Government College for Women (A), Kumbakonam on 16.08.2019.
- Participated in the two days Workshop on “Quality Assurance and Sustenance in Higher Education Institutions” at Bharathidasan University, Trichy from 21.02.2020 to 22.02.2020.
- Participated in the One-day Webinar on “Knowledge gained through the challenging exercise of NAAC-success story” at St.Joseph’s College,Trichy on 15.5.2020.

- Participated in the One-day Webinar on “Python Programming” at Jamal Mohamad College, Trichy on 03-06-2020.
- Participated in the One-day Webinar on “E-content Development” at Periyar Govt.Arts College, Cuddalore (IQAC and Dept.of Computer Science) on 09-06-2020.
- Participated in the One-day Webinar on “Role of IQAC in maintaining quality standards in higher Education” at Govt Arts college for Women, Nilakottai on 11.6.2020.
- Participated in the One-day Webinar on “Recent Research Trends In Deep Learning Google CoLAB(Python)” at Department of CS, Government college for women(A),Kumbakonam on 12.6.2020.
- Participated in five-day Webinar on “Techniques in Enhancing Teaching and Learning skills ” at Idhaya college Kumbakonam , from 15.6.2020 To 19.6.2020.
- Participated in the one-day Webinar on “Yoga at home: Yoga with family in Covid 19 Pandemic Situation” at Dept of Physical Education Government College for Women(A), Kumbakonam, on 21.6.2020.
- Participated in the one-day Webinar on “Research Experience on Digital Tools” at Sarah Tucker College, Tirunelveli, on 29.6.2020.
- Participated in the one-day Webinar on “E-Learning during Covid-19 lockdown: Challenges & way forward” at Government Arts and Science College, Orathanadu, on 17.7.2020.
- Participated in the FDP Programme “Virtual Classroom Made Easy” at Government College For Women(A),Kumbakonam on 9.8.2020
- Participated in the International Webinar “SAP-ERP” at Government College of Arts,Science and Commerce Khandola,Goa at 27.3.2021
- Participated in the International Webinar “Corporate Management” at Government College of Arts,Science and Commerce, Khandola,Goa at 10.4.2021

- Participated in the two-day Webinar on “Secret of Inner Power” at Dept of Zoology Government College for Women(A),Kumbakonam from 19.07.2021 to 20.7.2021.
- Participated in the one-day Webinar on “Earth Observation Technology for Environmental Monitoring” at Dept of Geography Government College for Women(A), Kumbakonam on 21.7.2021.
- Participated in the Interdisciplinary Workshop on “CORPORATE CONNECT THROUGH PYTHON (CCTP-23)”,Dept of Physics and CS in 10.1.2023

FDP / Orientation / Refresher Course Attended

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- Attended a UGC sponsored orientation course conducted by Academic Staff College, University of Madras, Chennai from 13.10.2000 to 9.11.2000.
- Attended a UGC sponsored Refresher course in Educational Technology conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 25.02.2003 to 17.3.2003.
- Participated in the refresher course in Computer Science sponsored by Higher Education Department, Government of Tamil Nadu, conducted by DDGD Vaishnav College, Arumbakkam, Chennai from 17.01.2005 to 21.01.2005.
- Attended a UGC sponsored Refresher course in Information Technology conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 20.09.2006 to 10.10.2006.
- Participated in the Faculty Development Programme on “Free Open Source Software (FOSS)”, AVC Engineering College, Mayiladuthurai, 21.02.2008.
- Attended a UGC sponsored Refresher course in Computer Science conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 01.11.2008 to 21.11.2008.
- Participated in the Faculty Development Programme (ONLINE) on “Programme on R In association with Spoken Tutorial, IIT Bombay” (An initiative of National Mission of Education through ICT, MHRD, Government of India) at Tiruvalluvar University of Model Constituent College, Tittakudi, Arakkonam, from 21.5.2020 to 27.5.2020.

- Participated in the Faculty Development Programme(ONLINE) on “Artificial Intelligence”, at BVRIT Hyderabad College of Engineering for Women, Dept of CSE&IT in association with NYCI & Brain O Vision solutions India Pvt ltd , from 22.5.2020 To 26.5.2020.
- Participated in the Faculty Development Programme(ONLINE) on “Virtual Classroom Made Easy”, IQAC & Dept of CS , Government College for Women (A), Kumbakonam, on 9.8.2020.
- Participated in the Faculty Development Programme (ONLINE) on “Introduction to Big Data Analytics”, at ICT Academy ,Chennai , from 26.4.2021 to 30.4.2021.
- Participated in the Faculty Development Programme (ONLINE) on “Pedagogy and Research Methods”, at HRDC & IQAC , AMET University Chennai, from 24.5.2021 To 06.06.2021.
- Participated in the Faculty Development Programme (ONLINE) on “E-Content Development (Tools, Tips and Techniques)”, at IQAC & Dept of CS Government college for Women (A), Kumbakonam, on 2.7.2021.
- Participated in the Faculty Development Programme (ONLINE) on “Introduction to Python Programming”, at ICT – Academy on 16.08.2021 to 20.08.2021.
- Participated in the International Seminar through Online on “Advanced Computing”, on 10.03.2022 to 11.03.2022.
- Attended a Handholding workshop for “Assessment and Accreditation of Government Arts and Science Colleges” at Bharathidasan University, Tiruchirappalli on 29.03.2022.
- Participated in the FDP on “NAAC SSR Preparation in a Nutshell” at Government College for Women(A), Kumbakonam on 4.11.2022
- Participated in the International Conference on Automation, Computing and Renewable Systems (ICACRS – 2022) on “Efficiency Enhancement using Least Significant Bits Method in Images Steganography” at Mount Zion College of Engineering and Technology, Pudukkottai on 13.12.2022 to 15.12.2022.
- Participated in One week Online short term Faculty Development Programme on “ Ethics in Academic Research Writing”, AMET Business School from 31.01.2023 – 04.02.2023.
- Participated in the FDP on “RESEARCH MOTIVATION” at Government College for Women(A), Kumbakonam on 3.4.2023

Paper Presented

- “A Workflow Scheduling Algorithm using Min-Min Method with Communication Cost”, Proceedings of National Conference on Advance Computing (NCAN2011), Jamal Mohamed College, Trichy, February 2011.
- “A Minimum Makespan Grid Workflow Scheduling Algorithm”, IEEE Explorer Digital Library Proceedings of International Conference on Computer Communication and Informatics (ISBN: 978-1-4577-1508-8), (ICCCI) Sri Sakthi College of Engineering, Coimbatore, pp.1-6. January 2012.
- “ARBIT-DAG, A Tool to Generate Arbitrary Directed Acyclic Graph for Task Scheduling”, Proceedings of National Conference on Advance Computing (NCAC 2012), Jamal Mohamed College, Trichy, March 2012.
- Paper presented on the title “ Efficiency enhancement using least significant bits method in Image Stegnography” at International Conference on Automation, Computing and Renewable Systems(ICACRS-2022) organized by Department of Electronics and Communication Engineering, Mount Zion College of Engineering and Technology, Pudukkottai from 13th to 15th December, 2022.
- Paper presented on the title “ Classification and Regression tree to predict and diagnosis the liver disease and its subtypes” at International Conference on Recent trends in Artificial Intelligence, Robotics and Cyber Security organized by Department of Computer Science and Engineering, SRR CET, Amaravathiputhur, Karaikkudi on 11.01.2023.
- Paper presented on the title “Load Balancing and Task Scheduling optimization of cloud environment using DSC and WLC Algorithms” at International Conference on Recent trends in Artificial Intelligence, Robotics and Cyber Security organized by Department of Computer Science and Engineering, SRR CET, Amaravathiputhur, Karaikkudi on 11.01.2023.
- Paper presented on the title “Load Balancing and Task Scheduling in Cloud Computing environment using Dominance Sequence Clustering” at National Conference on Emerging

Trends in Computer Science and Technology organized by Department of Computer Science, Swami Dayananda Arts and College, Manjakkudi, Apr' 2023.

- Paper presented on the title “Survey on Rice classification using Different Algorithms” at National Conference on Emerging Trends in Computer Science and Technology organized by Department of Computer Science, Swami Dayananda Arts and College, Manjakkudi, Apr” 2023.

Conference / Seminar / Workshop Organized

Sl. No	Name of the Event	Title	Duration	Role	Resource Persons	Place
1.	Two days Workshop	“Hands on Training in Interactive Devices (Smart Class Room)”	16.12.2013 & 17.12.2013	Organizing Secretary	S.K. Kanagaraj, Educorp Technologies, Chennai	Government College for Women (A), Kumbakonam
2.	Two days Workshop	Inter – Disciplinary workshop on “ Frontier Areas in Symbolic Computing and Cloud Computing”	31.01.2014 & 01.02.2014	Organizing Secretary	1. Mr.B.Anand, BDU, Trichy, 2.Mr.V.Balasubramanian BDU, Trichy 3. Dr. R.SophiaPorchelvi BDU, Trichy.	Government College for Women (A), Kumbakonam
3.	Three Days Workshop	“ Mini winter School on Ultra cold atoms” UCAT-2014	22.12.2014, 23.12.2014 & 24.12.2014	Organizing Secretary	1.Prof.M.Lakshmanan, BDU, Trichy. 2. Prof. K.Porsezian, Pondicherry University, Pondicherry 3 Dr.P.Muruganandam BDU, Trichy. 4. Dr. M.Senthivelan, BDU, Trichy, 5. Dr. Vivek M.Vyas, Institute of Mathematical Sciences, Chennai.	Government College for Women (A), Kumbakonam

4.	One-day Workshop	“ PC Hardware Networking and Troubleshooting”	21.02.2015	Convener	1.Prof.K.SyedKousar, JMC, Trichy 2. Mr. N.Mohamed Bayas, JMC, Trichy, 3. Mr.S.SyedMusthafa JMC, Trichy	Government College for Women (A), Kumbakonam
5	National Workshop	Mini winter school on “PYTHON”	14.02.2017 to 16.02.2017	Organizing Secretary	Dr. M.Senthilvelan, BDU, Trichy,	Dept of Physics, Maths, Computer Science, Government college for women(A), Kumbakonam
6.	Two – days National Seminar	“ Emerging Trends in Computer Science”	13.07.2019 & 14.07.2019	Convener	1.Dr.S.Santhoshkumar, Alagappa University, Karaikkudi. 2.Mr.A.ThasilMohamed Application Architect IBM Global Services, Bengaluru, Karnataka. 3.Dr. R. Siva Shankar Asst.Professor of CA, Andhra Pradesh. 4. Dr. S. Gavaskar, Asst. Prof of CA, Bharathiar University.	Government College for Women (A), Kumbakonam
7.	Faculty Development Programme	Prospects of Outcome Based Curriculum	31.07.2019	Convener	Dr. E.Ram Ganesh, Professor and Head Dept. of Educational Tech. Coordinator, UGC-SAP (DRS-II), Director, Institute for Entrepreneurship & Career Development (IECD) & Director DDU KAUSHAL Kendra, Bharathidasan University, Trichy	Government College for Women(A), Kumbakonam

8.	Webinar	Webinar Recent Research Trends In Deep Learning Google Colab(Python)	12.6.2020	Convener	Dr. R. Siva Shankar Lecturer ,International College of Digital Innovation,Chiang Mai University,Thailand.	Government College for Women (A), Kumbakonam
9.	Faculty Development Programme (ONLINE)	Virtual Classroom Made Easy	9.8.2020	Convener	1. S. Sundareswari, Assistant Professor, Department of Computer Science, Government College for Women(A), Kumbakonam. 2. S. Sheela, Assistant Professor, Department of Computer Science, Government College for Women(A), Kumbakonam.	IQAC & Dept of CS, Government College for Women (A), Kumbakonam.
10.	Faculty Development Programme (ONLINE)	E-Content Development (Tools, Tips and Techniques)	2.7.2021	Convener	Mr.B.Anand, Network Engineer, BDU, Trichy	IQAC & Dept of CS, Government College for Women (A), Kumbakonam,
11.	Faculty Development Programme	Practicum as a CIA component	24.05.2022	Convener	Dr. A. Tholappan, Associate Professor, Department of Education, Bharathidasan University, Tiruchirappalli-620 024.	IQAC , Government College for Women (A), Kumbakonam
12.	Faculty Development Programme	NAAC SSR PREPARATION IN A NUTSHELL	04.11.2022	Convener	Dr.A.Venkatesan Associate Professor of Physics,Nehru Memorial College, Puthanampatti	IQAC , Government College for Women (A), Kumbakonam ,

13.	Inter-disciplinary Workshop	Corporate Connect Through Python (CCTP-23)	10.01.2023	Convener	1. Dr. B.Tamil Arasan, M.Sc., Ph.D., ML Research Engineer, Saama - AI Lab, Chennai. 2. Naveen Prasanth, B.Tech (CSE), Software Engineer, Saama - AI Lab, Chennai 3. Dhilip Rajendran, Saama - AI Lab, Chennai.	Dept of CS & Department of Physics, Government College for Women (A), Kumbakonam
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Awards / Honors / Accolades

- ❖ Nation Builder Award from Rotary International District 2981, 5th September 2019.
- ❖ Kalvi Bharathi Award, International Lions Clubs, 8.9.2018

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Chair Person

- ❖ International Conference, Bonsecours College Thanjavur, Forenoon 14th February 2013
- ❖ As a Chair Person in Karaikkudi Alagappa University.
- ❖ As a Chief Guest in Sri Sankara Arts and Science College on 20.09.2019.
- ❖ As a Chief Guest in Idhaya College for women, Kumbakonam on 11.03.2020

Panel Discussion

Topic : Fuzzy Sets and Mobile Applications M-Banking Security and its Applications,
International Conference, Bonsecours College Thanjavur, Afternoon 14th February 2013

Membership in academic / Professional bodies :

Details of Incharge / Membership in committee:

- Member in Library committee (2006-2009).
- Member in Sports committee (2006-2009).(2020-tilldate)
- Member in Placement Cell (2013-2016).
- Member in Counselling Committee (2013-2016).
- Member in Women Cell.
- Member in PWD.
- Member in UGC Committee.

Details of Membership in Academic Body:

- Government College for Women, Kumbakonam.
- Government Arts College, Kumbakonam (2009 - 2012), (2019-2022).
- Bharathidasan University, Tiruchirappalli (2009 - 2012).
- Senate Member, Bharathidasan University, Tiruchirappalli (2016 - 2019).
- Rajah's Serfoji College, Thanjavur.
- Kunthavai Naachiyar College, Thanjavur.
- Doctoral Committee Member.

Other (relevant to academic activity):

Administration position held in the College:

- Head of the Department,
- IQAC Co-Ordinator,
- Computer Literacy Programme Co-ordinator.
- Assistant Controller of Examinations (2016-2019).
- NAAC Co-Ordinator.