

Curriculum Vitae



MURALIDHARAN MURUGESAN

Associate Professor & Head,
Department of Computer Science

Nehru Memorial College
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Professional Profile:

*	Unequivocal academic career demonstrating consistent success as Educator and Administrator at the higher education level. Outstanding track record in building the Institution and the department and helping the students to emerge as a successful employees in the national and international arena.
*	Experienced in designing the holistic infrastructure for the developing need of the Institution
*	Experienced in coordinating the quality implementing activities like NAAC accreditation and Autonomous related activities
*	Experienced in designing curriculum at UG and PG level using CBCS and OBE methodology and innovative courses
*	Experienced in setting up infrastructure for the Controller of Examinations and designing the automation for the examination system.
*	Experienced in Setting up in establishing a Business Process Outsourcing Unit in the College and acted as a catalyst for the “Earn while you Learn Scheme”

Academic and Teaching Experience:

Associate Professor and Head, Department of Computer Science. Nehru Memorial College, Puthanampatti 621 007 from 6.11.1987 to present.

Subjects handled:

UG Programs	PG Programs	Specialization
Operating System	Web Technology	Artificial Intelligence
Computer Graphics	Game Development	Web Mining
Python Programming	Data Analytics	Data Analytics
Java Programming	Software Engineering	Machine Learning
Linux System Administration	R Programming	Python Programming

Education:		
*	Ph.D	Computer Science, Bharathidasan University, 2018 (D+) Dissertation: “ <i>An adaptive framework for improving the performance of the Web/Proxy Server using Weblog Mining</i> ”
*	M.Phil	Computer Science, Bharathidasan University, 2013 (71.6%) Dissertation: “ <i>Knowledge base creation through WUM and CBR</i> ”
*	PGDHET	Post Graduate Diploma in Higher Education Technology, <i>Bharathidasan University, 2005 (82.3 %)</i>
*	PGDCA	Post Graduate Diploma in Computer Applications, <i>Bharathidasan University, 1987 (83.4%)</i>
*	M.Sc	Master of Science in Physics, <i>Annamalai University, 1985 (61.2%)</i>
*	B.Sc	Bachelor of Science in Physics, <i>Madras University, 1983 (78.3%)</i>
*	H.Sc	State Board, 1980, (67.4%)
*	S.S.L.C	State Board, 1978 (77.8%)
Honors and Awards:		
*	Appreciation from Bharathidasan University for the service rendered for cleaning Teppakulam Tank from 24.07.95 to 18.08.95	
*	State Award for the Best N.S.S Programming Officer by Tamilnadu State Government for the Period 1995-96 on 24.09.98	
*	Appreciation from the college for serving as Steering Committee member during NAAC peer team visit in 2013	
*	Appreciation from the college for serving as Coordinator for UGC Autonomous Review Committee in 2013	
Papers published in National & International Journals:		
*	Muralidharan Murugesan. “Optimization of Cache Size with Cache Replacement Policy for effective System Performance.” IOSR Journal of Computer Engineering (IOSR-JCE), vol. 19, no. 4, 2017, pp. 51-56.	
*	Muralidharan Murugesan, “ Impact of Machine Learning Techniques with cache replacement algorithms in enhancing the performance of the webserver”, International Journals of Advanced Research in Computer Science and Software Engineering, vol 7 Issue 6, 2017 pp. 812-816.	
*	Muralidharan Murugesan, “Enhancement of Web Performance using Dual Cache Management System with LFRU Replacement Policy”, International Journal of Data Science (Communicated).	

Papers presented in National Seminars/Conferences:	
*	Quality Enhancement through Collaboration: An Introspection on the Indispensable Need for Industry Institution Interaction “ - paper presented at NAAC sponsored National Seminar on Quality & Excellence in Higher Education at Theivanai Ammal College, Villupuram on 21,22.06.2013
*	“Academic Social Responsibility(ASR): The Main Impetus for invigorating Higher Educational Institutions” – paper presented at NAAC sponsored National Seminar on Social Responsibilities of Higher Educational Institutions at Ayya Nadar Janaki Ammal College, Sivakasi on 18,19.07.2013
*	Current Research Scenario in Web Log Mining – A Survey – Paper presented in CSIR sponsored National Conference on Advances in Intelligent and Optimized Computing Paradigm at Vivekananda Institute of Information and Management Studies, Tiruchengode on 6,7.09.2013.
Professional Development: Certifications:	
*	BOL Programming and Data Processing, Annamalai University, 1985
*	Java and Internet Programming, Linsoft, 2000
*	Interactive Programming in Python, Rice University, 2013
*	Introduction to Data Science, University of Washington, 2013
*	Big Data in Education, Columbia University, 2013
*	Computing for Data Analysis, John Hopkins University, 2014
*	R Programming, John Hopkins University, 2014
*	Data Scientist Toolbox, John Hopkins University, 2014
*	Understanding Research Methods, University of London, 2014
*	Web Application Architectures, University of New Mexico, 2015
*	Programming for Everybody, University of Michigan, 2016
*	Python Data Structures, University of Michigan, 2016
*	Kayakalpa Course, World Community Service Centre, Chennai, 2016
Orientation and Refresher Programmes attended:	
*	General Orientation Programme, Madras School of Social Work, 30.11.92 – 12.12.92
*	General Orientation Programme, Bharathidasan University, 23.08.2017- 19.09.2017
*	Refresher Course, Nehru Memorial College, 25.05.2000 – 14.06.2000
*	Refresher Course, Madras School of Social Work, 09.08.93 - 14.08.93
*	Refresher Course, Central University Hyderabad, 23.08.93 - 10.09.93
*	Refresher Course, Bharathiyar University, 17.11.2017 - 07.12.2017
*	Refresher Course, Madras University, 9.11.2018 to 29.11.2018

Conference and Workshops attended:	
*	Conference for NSS programme officers , NSS wing of Bharathidasan University on 30.06.1998 (One Day)
*	National Conference on “ <i>Object Oriented Technology</i> ”, Department of Computer Science , Pondicherry University , 23.10.1998 to 24.10.1998 (Two Days)
*	Internship Training Programme on “ <i>Educational Multimedia Production</i> ”, Educational Multimedia Research Center, Anna University , 29.05.2005 to 31.05.2005 (Three Days)
*	Seminar on “ <i>Networking for College Libraries through Infibnet</i> ”, PSG College of Arts and Science , Coimbatore, 16,17.12.2005 (Two Days)
*	State Level Workshop on “ <i>E-Governance</i> ” (TNSCHE), Academic Staff College, Bharathidasan University , 29.03.2007 to 31.03.2007 (Three Days)
*	UGC Workshop on “ <i>Revision of Guidelines for Autonomous Colleges for the XI Plan period</i> ” at Stella Maris College on 30.06.2007 (One Day)
*	State Level Workshop on “ <i>Examination Reforms</i> ”[UGC], Jamal Mohamed College [Autonomous] Tiruchirappalli, 12.03.2010. (One Day)
*	TEQIP-II sponsored workshop on Best Practices for “ <i>Effective Usage of E-Resources for promoting Research and Development</i> ”, National Institute of Technology , Trichy, 26-27.09.2014 (Two Days)
*	International Workshop on the “ <i>Art of Journal and Thesis Writing</i> ”, Prist University , Thanjavur, 5.2.2012(One Day)
*	Two Days MHRD Sponsored workshop on “ <i>National Mission on Education through ICT</i> ”, National Institute of Technology , Trichy, 11,12.02.2013 (Two Days)
*	Two Days TEQIP-II sponsored workshop on “ <i>Research Methods and Latex</i> ”, National Institute of Technology , Trichy, 20, 21.09.2013. (Two Days)
*	Workshop on “ <i>World Class Curriculum in Computer Science</i> ”, CCCD Bharathidasan University , Trichy, 16.02.2016 (One Day)
*	International Workshop on “ <i>World Class Curriculum Design in Computer Science</i> ”, CCCD Bharathidasan University 28.07.2017(One Day)
*	Workshop on <i>MOOCs, E-Content Development and Open Educational Resources</i> (UGC), Bharathiyar University , 22.10.2018 – 26.12.2018(Five Days)
*	Workshop on “ <i>How to access and check plagiarism to promote Research publications using TURNITIN software</i> ” at National Institute of Technology , Tiruchirappalli, 15.03.2019.
*	Workshop on “ <i>Intellectual Property Rights</i> ” at Sri Ramasamy Naidu Memorial College at Sattur, 18,19.07.2019

*	Online Workshop on “Comprehensive e-Learning to e-Training guide for administrative work” from May 25 to June 05 2020
Service rendered as resource person:	
*	“ <i>Artificial Intelligence and Industrial Applications</i> ”, B.H.E.L, Tiruchirappalli, on 28.01.1999
*	“ <i>Recent Trends in Information Technology</i> ”, Shri Sarada College, Perambalur, 01.10.2004
*	“ <i>Artificial Intelligence</i> ”, Deivanai Ammal College, Villupuram, 08.11.2004
*	“ <i>Business Process Outsourcing</i> ” A.R.C Visvanathan College, Mayiladuthurai, 29.07.2006
*	“ <i>Web Technology</i> ”, Shri A.V.V.M. Pushpam College, Poondi, 23.10.2006
*	“ <i>Web Technology</i> ”, Shri Sarada College, Perambalur, 23.03.2009
*	“ <i>Internet and its Application</i> ” , Ganesar Arts and Science College , Mela Sivapuri 07.04.2010
*	“ <i>PHP Programming</i> ”, St.Joesph College [Autonomous] , Tiruchirappalli 21.08.2010
*	“ <i>PHP Programming</i> ”, St.Joesph College [Autonomous] , Tiruchirappalli 09.01.2011
*	“ <i>Programming in Python</i> ”, Jayaram College of Engineering , Pagalavadi , Tiruchirappalli, 05.02.2011
*	“ <i>Recent trends in Information Technology</i> ”, Bon Secour College, Thanjavur, 06.02.2014
*	“ <i>Python for Interfacing</i> ” Faculty Deveopment Programme Lady Doak College Madurai 30.03.2016
*	“ <i>Recent Trends in IT</i> ” Imayam College of Arts and Science, Thuraiyur, 05.10.2016
*	“ <i>Cashless transactions and its Benefits</i> ”, Nehru Memorial College Puthanampatti, 28.12.2016
*	“ <i>Code Yourself Python</i> ” St Antony College of Arts and Sciences for women , Dindigul, 24.03.2017
*	“ <i>Data Science in Python</i> ”, Karunya Institute of Technology, Coimbatore 16.03.2018
*	“ <i>Rapid Application Development using Python</i> ”, Faculty Development Programme at Bishop Heber College, Tiruchirappalli on 22.09.2018
*	“ <i>Applications of Machine Learning</i> ” at Siri PSG Arts & Science College (for Women) at Sankari on 29.09.2018.
*	Valedictory address in <i>Naco Tech 2019</i> , National College(Autonomous), Trichy on 19.02.2019.
*	Valedictory Address in <i>Tech Fest 2019</i> at Meenaakshi Ramasamy Arts and Science College, Thathanur on 28.02.2019.
*	Introduction to Python Programming at Mother Theresa University, Kodaikonal on 8,9.08.2019

*	Python for machine learning at Mother Teresa University, Kodaikanal on 08.08.2019 and 09.08.2019
*	Faculty Development Programme on “Problem Solving using Python” at UCE , Dindigul from 22-06-2020 to 28-06-2020
*	“Code yourself Python” at UCE Dindigul from 29-07-2020 to 2-08-2020
*	“Using Google Classroom” at Faculty Induction Programme (1) at UGC HRDC SAGAR on 8-09-2020
*	“Using Google Classroom” at Faculty Induction Programme (2) at UGC HRDC SAGAR on 10-10-2020
*	“Machine Learning” at Faculty Induction Programme (2) at UGC HRDC SAGAR on 12-10-2020
*	“Using Google Classroom” at Faculty Induction Programme at UGC HRDC SAGAR on 24-08-2021 to 28-09-2021
Membership in Professional & Corporate Bodies/ Universities :	
*	Serving as a member of the Governing Body of Nehru Memorial College from May 2019
*	Served as a member in Standing Committee on Academic Affairs, Bharathidasan University [1999-2002]
*	Serving as Member in Academic Council , Sri.A.V.V.M Pushpam College [Autonomous], Poondi, Thanjavur [2009 – till date]
*	Serving as Member in Academic Council, Nehru Memorial College [Autonomous], Puthanampatti [2004 – till date]
*	Serving as Chaiman Board of Studies UG & P.G Nehru Memorial College[autonomous], Puthanampatti [2004 – till date]
*	Serving as a member in the Internal Quality Assurance Cell in Nehru Memorial College(from 2011 - to till date)
*	Served as a member of the Expert committee of Computer Science by Bharathidasan University [2005]
*	Served as member of the Inspection commission to visit various colleges affiliated to Bharathidasan University for the grant of affiliation [1999-2002.]
*	Served as Chariman, Board of Studies PG & UG Bharathidasan University [1999-2000]
*	Served as Chaiman Board of Studies UG Bharathidasan University [2000-2002]
*	Served as Member, Board of Studies PG Bharathidasan University [2005-2008]
*	Served as Member, Board of Studies PG Periyar University [October 2001 - September 2004]
*	Served as Member, Board of Studies PG St.Joseph College [Autonomous], Tiruchirappalli during the period [2006-2009]
*	Served as Member, Board of Studies PG A.V.C College [Autonomous], Mannampandal, Mayiladuthurai [2003-2005]

*	Served as Member of Expert Committee on Computer Science for IECD on 14.07.2005
*	Serving as Examiner for Question Paper Setting and Valuation for various universities and autonomous colleges.
*	Serving as a member of Computer Society of India from 2014-15 to till date.
*	Subject Expert for selection of staff at Urumu Dhanalakshmi College on 12.07.2012
*	Subject Expert for selection of staff at National College on 18.06.2013.
*	Serving as Academic Audit Committee member of our college
*	Member of Board of Studies in the PG Embedded Systems programme
*	Member in the Academic Audit Committee constituted to audit the mathematics department
*	Attended the meeting of the EDC Coordinators and Placement Officers organized by IECD Bharathidasan University on 26.02.2007
*	One day Seminar on “Study Abroad Programme – Canada” at American College, Madurai on 12.07.2018
*	Serving as Board of Studies Member for Information Technology at Bishop Heber College, Tiruchirappalli
Faculty Development Programmes attended in the College:	
*	Faculty Development Programme in “ <i>Higher Education</i> ” organized by IQAC on 21.01.2012
*	Seminar on “ <i>Examination Reforms</i> ” sponsored by UGC on 15.03.2012
*	Seminar on “ <i>Examination Reforms</i> ” sponsored by UGC on 16.02.2013
*	Faculty Development Programme on “ <i>Impact of Research on teaching in Higher Education</i> ” organized by IQAC on 11.06.2014
*	Faculty Development Programme on “ <i>Revisiting Examination System in the current scenario</i> ” organized by IQAC on 19.03.2016
*	Faculty Development Programme on “ <i>Effective Teaching</i> ” sponsored by UGC on 12.06.2017
*	Faculty Development Programme sponsored by UGC on 11, 12 th June , 2018.
*	Workshop on “ <i>Outcome Based Education (OBE)</i> ” sponsored by UGC on 25 th August 2018
*	Faculty Development Programme (FDP) on “Student Skills, Mentoring and Counselling” organized by IQAC on 30.05.2019
*	Faculty Development Programme (FDP) on “Managing online classes and co-creating MOOCS” organized by Ramanujam College, New Delhi from April 20 to May 06 2020
*	Online Continuing Education Programme “Machine Learning with Python” organized by NIT warangal from 12-04-2021 to 16-04-2021

*	Faculty Development Programme (FDP) on “Multimedia Tools for Teaching and Learning” organized by Ramanujam College, New Delhi from 22-28-July 2021
*	AICTE sponsored FDP on “Basic Course in Smartphone Journalism” from 06/09/2021 to 10/09/2021
Programmes Organised:	
*	State Level UGC sponsored Training Programme on Administrative Skill Development (ASD) , Nehru Memorial College, 23,24.02.2017
Responsibilities held in the college:	
*	Mentor for NAAC accreditation process in the college for reaccreditation cycle
*	Chief Superintendent for conducting mid-semester and end semester Examinations
*	Convener in the Enquiry committee constituted for the alleged malpractices in examinations (2011)
*	One man Enquiry Commission for conducting an inquiry on Question Paper Irregularities (2015)
*	Appointed as member in Scrutinizing the Career Advancement Scheme for promotion to various categories in Teaching Faculty
Books/reading Materials Published:	
*	Reading materials on Computer Graphics
*	Reading materials on Linux System Administration
*	Reading materials on Python Programming
Consultancy Work undertaken:	
*	On Line Examination System
*	Cable TV Management System
Extension activities undertaken	
*	Served as N.S.S Programme Officer from 1991 to 1995.
*	Attended 10 days Intercollegiate Special camp at Teppakulam, Tiruchirappalli from 24.07.1995 to 02.08.1995
*	Attended 10 days Intercollegiate Special camp at Teppakulam, Tiruchirappalli from 09.08.1995 to 18.09.1995
*	Organized community outreach programme at Sowdambiga Matriculation Boys Higher Secondary School on 12.09.2015.
*	Organized community outreach programme at Sengunthar School, thuraiyur on 31.07.2019
Distinctive activities performed:	
*	Established Micro Quality Assurance Cell in the Department
*	Established Computer Center with Campus-wide Network using Structured Cable System
*	Organized Video Conferencing System for sharing knowledge.
*	Organized Intra Collegiate and InterCollegiate meet for computer Science Department(Sinex, Optra, ThinkQuest)

Research Activites:	
*	Reviewing papers in Science Direct Journals
*	Appointed as Ph.D Thesis evaluator in Madurai Kamaraj University