

CURRICULUM VITAE

Dr. R.MURUGESAN

Head and Associate Professor Computer Science,
Cardamom Planters' Association College

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Tamil Nadu, India. Zip-622513.
<http://cpacollege.org>

PERSONAL DETAILS

Date of birth: 01st JUNE 1965
Sex: Male
Marital status: Married
Nationality: Indian

AREA OF SPECIALIZATION

- Software Engineering
- Data Mining
- Cloud Computing

EXPERIENCE

01.01.2023 - **Head of the Department**
Till date Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

02.01.2006 **Associate Professor**
Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

18.8.2003 **Selection Grade Lecturer**
Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

27.07.1998 **Senior Scale Lecturer**
Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

18.10.1990 **Lecturer**
Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

EDUCATION

2016	Ph.D Madurai Kamaraj University
2002	M.Phil Bharathiar Coimbatore
1989	P.G.D.C.A Urumu Dhanalakshmi College, Bharathidasan University, Trichy
1988	M.Sc., (Applied Physics and Computer Applications) Urumu Dhanalakshmi College, Bharathidasan University, Trichy
April, 1985	B.Sc.,(Physics) ANJAC College, Madurai Kamaraj University, Madurai, Tamilnadu, India.
April, 1982	H.Sc St. Aloysius Hr.Sec.School, Royappanpatty
March, 1980	S.S.L.C Jayaraj Nadar Hr.Sec.School, Nagamalai, Madurai.

ROLES AND RESPONSIBILITY

- **Associate Professor & Head**
 - Department of Computer Science
- **Coordinator**
 - Internal Quality Assurance Cell (IQCA)
 - NAAC Steering Committee
 - Bridge Intensive Course
 - Student Induction Programme & Web Team
- **Member**
 - College Council
 - Calendar Committee Consultancy
 - Collaborative work & Research Committee
 - Hostel Residential Superintendent
 - NSS Programme Officer(Women Wing)
 - Deputy warden
- **Roles**
 - Administering and Managing Computer Science Department
 - Teaching Computer Science subjects
 - Prescribing Laboratory exercises and monitoring
 - Designing and undertaking project work
 - Organising seminars and offering special and guest lectures
 - Guiding the students in their term project work and performance monitoring
 - Offering guidelines and support to computerize various activities of our college
 - Offering guidelines and support to our parent body CPA

UNDERGONE TRAINING

- Fast track training programme in JAVA from APTECH, Theni.
- Refresher course in Computer Applications from Jawaharlal Nehru University, New Delhi
- Refresher course in Computer Science from Calicut University, Kerala
- Refresher course in Computer Science from, Bharathiyar University, Coimbatore.
- Orientation Programme Madurai Kamarajar University, Madurai.
- Orientation Programme Hyderabad University, Hyderabad.
- Workshops, seminars; symposia etc. include Open University courses/M.Phil., Ph.D.
- Participated in the Teacher Development programme of Enhancing Teacher's Collective Efficacy during Pandemic on March 17, 2022 organized by IQAC and self-finance courses of CPA College Bodinayakanur, Theni dt.

Resource person

- UGC sponsored Bridge Intensive Course held from June 30 to July 02, 2014 at the C.P.A. College Bodinayakanur
- UGC sponsored Bridge Intensive Course held from July 01 to July 03, 2015 at the C.P.A. College Bodinayakanur
- A resource person in the UGC sponsored "Student Induction Programme - 2022" held from 2022 at Cardamom Planters' Association College, Bodinayakanur, Tamilnadu.
- A resource person in the Tamilnadu state council for Science and Technology sponsored "Young Student Scientific Programme - 2022" held from 18th May 2022 to June 01 2022 at Cardamom Planters' Association College, Bodinayakanur, Tamilnadu.

Seminars Attended:

1. All India seminar on Rapid Prototyping held on 18th December 1999 at PSG College of Technology, Coimbatore
2. Participated in the seminar on internet and client-server Technology held on 14-02-1998 at VHNSN College, Virudhunagar
3. Participated in two days' workshop organized by the department of IT & MCA, on 9th and 10th October 2013 on Cloud Computing at Vel Tech Technical University, Avadi, Chennai.
4. Participated in the state level seminar on "Higher Education – Futuristic Perspective" held at MTN College, Madurai on 25th January, 2014.
5. A resource person in the UGC sponsored Bridge intensive Course held from June 30th to July 02 at the Cardamom Planters' Association College, Bodinayakanur, Tamilnadu.
6. Participated in the three days Training Programme on Preksha Dhyana and Nonviolence organized by National Service Scheme from 22 to 24 November 2003 at the Faculty Guest House M.K. University, Madurai.
7. Participated training on HIV/AIDS sponsored by Tamilnadu state AIDS control society, held at health and family welfare training centre, Viswanatahpuram, Madurai on 27-08-2003
8. UGC Sponsored National Workshop on Advanced Mathematical Modeling on 18th – 20th March, 2015, Cardamom Planters' Association College, Bodinayakanur.
9. UGC Sponsored National Workshop on Algebraic Structures and Analysis on 23rd – 24th July, 2015, Cardamom Planters' Association College, Bodinayakanur.
10. UGC sponsored one day workshop EXPLORE'2015 on 10th August, 2015 organized by the Department of Computer Science and IT, Cardamom Planters' Association College, Bodinayakanur, Theni dt.

11. A resource person in the UGC sponsored “Bridge intensive Course” held from July 2016 at the Cardamom Planters’ Association College, Bodinayakanur, Tamilnadu.
12. Participated UGC sponsored state level workshop on “BIG DATA ANALYTICS (BDA-2016)” held on 16, 2016 at the Department of Computer Science, Cardamom Planters’ Association College, Bodinayakanur, Tamilnadu
13. Participated workshop on Research Methodology in Computer Science and Information Technology on 16 th December 2016 Department of Computer Applications, School of Information Technology, Madurai Kamaraj University, Madurai.

Programmes Organized:

1. To assist computer training programme to the students and the faculties at the college level along with Prof. Mc. Day, Ontario (Canadian Experts Service Organization (CESO)) from Jan.’95 to Feb.’95. Training includes lotus, clipper, word-perfect, windows, visual basic.
2. Organizing member, a national conference on Recent Trends and Research Issues in Computer Science (RTRICS’14) October 2014 UGC Sponsored National Conference on Computer Science, CPA College, Bodinayakanur, Tamilnadu
3. Organizing secretary, UGC sponsored state level inter-collegiate student’s seminar on “Recent Trends in Computer Science and Applications” (RTiCSA-14) on 06-03-2014.
4. To assist computer courses to the students of non-computer courses and the faculties at the college level.
5. To assist Intercollegiate meet to promote the talents of computer developments among students.
6. To assist need based seminars and workshops on the following topics Photoshop, Value Education, Flash.
7. To assist MCA/MBA entrance coaching to selected students.
8. To assist Placement programmes.

AWARDS AND RECOGNITION

- o Appreciation Certificate received from the President of Cardamom Planters’ Association College, Bodinayakanur.

RESEARCH PROFILE

Research Interest

Software Engineering, Data Mining, Cloud Computing.

Research Guidance

	Completed	Submitted	Ongoing
Ph.D	1	2	3
M.Phil	31	1	
MCA/MBA/M.Sc. (CS&IT)	18		

Member – Research Activities

- **Program Committee member**, International Conference on Mining Intelligence and Knowledge Exploration, N.S College, Theni, December 2022.
- **Organizing Member**, National Seminar on Recent Trends and Research Issues in Computer Science, October 9-10, 2014.
- **Organizing Member**, UGC Funded National Workshop on Human Rights Status in India. 1-2 February 2013, Cardamom Planters' Association College, Bodinayakanur.

PUBLICATIONS

1. Murugesan R. and T. Devi,” Critical Parameter Management” in the National conference on quality, Reliability and Management (NCQRM-2000) held at Priyadarshini Engineering College, Vaniyambadi during September 7 and 8 , 2000.
2. Murugesan R., Dr. S. Sivakumar and Dr. S. Kannan, “A study of grid and cloud computing services”, ICRTiCA'13: International conference on recent trends in Computer Applications 27th and 28th September 2013, Pages 101-108.
3. Murugesan R., Elango C., Kannan S., “Cloud Computing Networks with Poisson Arrival Process - Dynamic Resource Allocation”, IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 16, Issue 5, Ver. IV (Sep – Oct. 2014), pp 124-129.
4. Murugesan R., Elango C., Kannan S., “Resource Allocation in Cloud Computing with M/G/s – queueing Model”, Volume 4, Issue 9, September 2014 , ISSN: 2277 128X, International Journal of Advanced Research in Computer Science and Software Engineering, pp 443-447.
5. Murugesan R., Elango C., Kannan S., “Resource Allocation in Cloud Computing with General Classification Time and Exponential Service (G/M/s)”, International Journal of Engineering and Computer Science ISSN: 2319-7242, Volume 3, Issue 10 October, 2014 pp 8905-8910.
6. Murugesan R., Elango C., Kannan S., “A Status Report on Resource Allocation in Cloud Computing Using Queuing Theory”, International Journal of Advanced Research in Computer Engineering & Technology, Volume 3, Issue 11, November 2014, ISSN: 2278 – 1323, pp 3603-3608.
7. Murugesan R., Elango C., Kannan S., “An Efficient Resource Management for Distributed System”, National Conference on Recent Trends and Research Issues in Computer Science (RTRICS' 14) October 2014 UGC Sponsored National Conference on Computer Science, CPA College, Bodinayakanur, Tamilnadu, ISBN: 978-93-80657-74-5, pp 19-24.
8. Murugesan R., Elango C., Kannan S., “Dynamic Resource allocation for Bag of Tasks with Poisson Arrival Process: Cloud Computing”, National Seminar on Innovations in Intelligent Systems, Department of Computer Applications, N.S.S. College, Rajakumari, Idukki (dt), Kerala, July 2014.
9. Murugesan R., Elango C., Kannan S., “G/M/s-Queueing Model for Resource Allocation in Cloud Computing”, UGC Sponsored National Conference On Mathematical Modelling (NCOMM' 14), Department of Mathematics, CPA College, Bodinayakanur, Tamilnadu, September 2014, ISBN: 978-93-80657-44-8, pp 22-29.
10. Satheeshkumar S., Murugesan R., Elango C., “A Study on Computer Security Invasion and Prevention”, National Conference on Recent Trends and Research Issues in Computer Science (RTRICS' 14), October 2014, UGC Sponsored National Conference on Computer Science, C. P. A. College, Bodinayakanur, Tamilnadu, ISBN: 978-93-80657-74-5.

11. S. Jayanthi, **S. Sivakumar**, R. Murugesan, Empathize An Identical Twins using Face Recognition, *International Journal of Computational and Applied Mathematics*, 12 (2017) 541-548. **(SCOPUS Indexed)**
12. S. Madhumalar, R. Revathi, **S. Sivakumar** and R. Murugesan, Neural network based risk level prediction of diabetic heart disease patients using frequent item set mining, *International Journal of Computational and Applied Mathematics*, 12 (2017) 557-561. **(SCOPUS Indexed)**
13. P. Deepthi, **S. Sivakumar** and R. Murugesan, Development of Multihop clustering algorithm for the simulation of VANET, *International Journal of Computational and Applied Mathematics*, 12 (2017) 562-568. **(SCOPUS Indexed)**
14. R. Sujitha, C. Christina De Pearlin, R. Murugesan, **S. Sivakumar**, Wavelet Based Thresholding for Image Denoising in MRI Image, *International Journal of Computational and Applied Mathematics*, 12 (2017) 569-578. **(SCOPUS Indexed)**
15. S. Jayanthi, **S. Sivakumar**, R. Murugesan, Empathize An Identical Twins using Face Recognition, *International Journal of Computational and Applied Mathematics*, 12 (2017) 541-548. **(SCOPUS Indexed)**
16. Devibala, R. Murugesan, **S. Sivakumar**, Evaluation of Telecom Data Analysis Using Business Intelligence, *International Journal of Computational and Applied Mathematics*, 12 (2017) 556-560. **(SCOPUS Indexed)**
17. C. Pandi Selvi, R. Murugesan, **S. Sivakumar**, Secure video content sharing using generic bilinear model in cloud network, *International Journal of Computational and Applied Mathematics*, 12 (2017) 551-555. **(SCOPUS Indexed)**
18. Kondalraj and R. Murugesan, "Application of Microarray Data Set Analysis for DNA Gene Expression Data", *TELEMATIQUE* Volume 21 Issue 1, 2022, ISSN: 1856-4194 5609 – 5617, September 2022
19. Kondalraj and R. Murugesan, "Survey on Gene Expression Data Analysis Based on Datamining", *TELEMATIQUE* Volume 21 Issue 1, 2022, ISSN: 1856-4194 5630 – 5642, December, 2022
20. Kondalraj and R. Murugesan, "Efficient Classifier Algorithm for Gene Expression Data Analysis", *TELEMATIQUE* Volume 21 Issue 1, 2022, ISSN: 1856-4194 7013 – 7025, November 2022
21. Kondalraj and R. Murugesan, "A study of Data mining: Clustering and Gene expression with microarray techniques", *STRAD research*, volume 8, issue, July – 2021, ISSN: 0039-2049, Website: <http://stradresearch.org/>
22. Rani Roopa Devi and R. Murugesan, "Facial-Based Cardiovascular Diseases Identification for Periodontal Disease Patients using Deep Learning Modified Neural Networks", *Turkish Journal of Computer and Mathematics Education*, Vol.12 No.2 (2021), Vol.12 No.2 (2021), page no. 2193-2198.
23. Dhanalakshmi and R. Murugesan, "Survey on Investor's Perception in Mutual Fund Using Data Mining Techniques ", *IJIRT 152531 INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY*, August 2021| *IJIRT* | Volume 8 Issue 3 | ISSN: 2349-6002, 2349-6002, page no. 734 -739.
24. Rani Rupa Devi and R. Murugesan " Cognitive IOT integration for smart health care: case study for heart disease detection and monitoring", *International Conference on Recent Advances on Energy Efficient Computing and Communication (ICRAECC-2019)* on 7th and 8th March, 2019 at St. Xavier Catholic College of Engineering, Nagercoil, TN
25. Nandhini U, Dr. R. Murugesan, "An Analysis of Selecting Various Methods for Initial Centroid of k-means Cluster Algorithm ", *Proceedings of International Conference on Data Science and Machine Learning 19*, M. V Muthiah Govt. Arts College for Women, Dindigul.

26. Nandhini U, Dr. R. Murugesan, "K-means clustering and partitioning around medoids (PAM) clustering approach for Automatic Paraphrase Detection in English Language", Proceedings of the International Conference on Intelligent Computing in Information Technology for Engineering System (ICICITES- 2021), June, 2021, Pandharpur, India.
27. Nandhini U, Dr. R. Murugesan, "Sentiment Analysing of Twitter database using K-means hierarchical clustering and SVM Algorithm", TELEMATIQUE, UGC GROUP-II Journal, ISSN: 1856-4194, Volume 21, Issue 1, 2022, pp 6971-6981 (Web of Science).
28. Nandhini U, Dr. R. Murugesan, "Generative Paraphrasing and Predictive Sentiment Analyzer Using Novel RestBERT Framework" Scandinavian Journal of Information Systems|ISSN: 0905-0167|1901-0990, pp 839-849 UGC Approved Journal (SCOPUS)

MEMBERSHIP AND ACADEMIC BODIES

- Examiner, evaluation of Ph.D Computer Science. Thesis of Bharathiar University
- Examiner, evaluation of M.Phil Computer Science. Thesis of M.K University, Bharathiar University.
- Examiner, evaluation of M.Phil Computer Science. Thesis of M.K University,
- Examiner, PG Computer Science Board Central Valuation, MKU, Madurai.
- Chairman, UG Degree Semester Valuation (Computer Sciences Board), MKU, Madurai
- Question Setter for various Universities and Autonomous Colleges
- Member, Board of Scrutinizing of Questions, Bharathidhasan University, Trichy.
- Member Internal Quality Assurance Cell of C.P.A. College
- Member – Board of studies for M.Sc., IT at VVV College for Women (Autonomous), Virudhunagar, Tamilnadu.
- Member – Board of studies for M.Sc., IT at VHNSN College (Autonomous), Virudhunagar, Tamilnadu.
- Member – Board of studies for B.Sc., Computer Science at Sousrashtra College, Madurai
- Member for College Committee, C.P.A. College from 2020 onwards
- Nodal officer for National Academic Depository (NDA) services for M.K. University, Madurai
- M.K. university recognized Ph.D supervisor
- Member – Board of studies in B.Com CA (UG) at Jeyaraj Annapakkiam college for women from 2022
- Member – Board of studies in Computer Science (UG & PG) of Madurai Kamaraj University, Madurai
- Acted as external examiner for B.Sc/BCA for Madurai Kamaraj University Practical examination on 07-06-2022 at Government Arts and Science College, Veerapandi
- Acted as external examiner in the Ph.D viva voce on 02-06-2022 at Department of Computer Science, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore, and Erode Arts and Science College, Erode
- Acted as Internal complaints committee member at CPA College, Bodi for the year 2022-2023
- Appointed as IQAC, AISHE and NAD coordinator for the academic year 2022-2023
- Appointed as a member as Discipline Committee for the academic year 2022-2023
- Acted as external examiner for M.Sc (CS) for Madurai Kamaraj University Practical examination on 28-04-2023 at Government Arts and Science College, Veerapandi

- Acted as external examiner for M.Sc (CS) for Madurai Kamaraj University Practical examination on 06-05-2023 at Theni Kammavar Sangam College of Arts and Science, Theni
- Selection committee member for I year students for the year 2022-23
- Appointed as Academic and Administrative Audit co-ordinator for the year 2022-2023
- Member – Board of studies in Computer Science (UG & PG) of VHNSN College, Virudhunagar.
- Member – Board of studies in Computer Science (UG & PG) of Sri Ramakrishna Mission Vidhyalaya College, Coimbatore
- Chairman – Central valuation board (I & II semesters) B.Sc CS/IT/SW/CA of M.K.University Madurai April 2015 examinations.
- Co-coordinator for staff grievance redressal cell
- M.K. university recognized Ph.D supervisor
- Deputy Warden CPA College Men and Women Hostels
- Member, Discipline Committee, CPA College
- A advisory committee member Tamilnadu state council for Science and Technology sponsored “Young Student Scientific Programme - 2022” held from 18th May 2022 to June 01 2022 at Cardamom Planters’ Association College, Bodinayakanur, Tamilnadu.
- Acted as external examiner in the Ph.D viva voce on 04-03-2022 at Department of Computer Science, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore.
- Acted as external examiner in the Ph.D viva voce on 02-06-2022 at Department of Computer Science, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore.
- Acted as selection committee member for the selection of NTS 10 post at CPA College on 18-04-2022 and 19-04-2022
- Acted as Internal complaints committee member at CPA College, Bodi for the year 2021-2022
- Appointed as IQAC, AISHE and NAD coordinator for the academic year 2021-2022
- Appointed as a member as Discipline Committee for the academic year 2021-2022

HIGHLIGHTS

Resource Person	- 12
Seminars/Workshops attended	- 11
Programs organized	- 6

Date: 14.08.2024

Place: Bodinayakanur

Dr. R.Murugesan