

CURRICULUM VITAE

Mrs. S. MADHUMALAR

Assistant Professor - Cardamom Planters' Association College

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

PERSONAL DETAILS

Date of birth: 26th May 1983
Sex: Female
Marital status: Married
Nationality: Indian

AREA OF SPECIALIZATION

- Machine Learning
- DATA MINING
- OOPS Concept

EXPERIENCE

29.07.2015 - **Assistant Professor**
Till date Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

01.06.2009 - **Assistant Professor**
31.10.2012 Idhaya Arts and Science Womens College, Sarugani, Alagappa University,
Karaikudi. Tamilnadu, India.

EDUCATION

April, 2021 **Ph.D (Pursuing)**
Madurai Kamaraj University, Madurai, Tamilnadu, India.

2017 **M.Phil.,**
Cardamom planters' Association College, Bodinayakanur, Tamilnadu,
India.

April, 2008 **MCA**
K.L.N College Information Technology, Anna University, Madurai,
Tamilnadu, India.

April, 2004	B.Sc., Computer Science Thiyagarajar College, Madurai Kamaraj University, Madurai, Tamilnadu, India.
March, 2000	HSC A.V Hr. Sec. School, Paramakudi, Ramnad, Tamilnadu, India.
April, 1998	SSLC Govt. Girls Hr. Sec. School, Paramakudi, Tamilnadu, India.

ROLES AND RESPONSIBILITY

- **Member**

- Women Cell

- **Roles**

- Teaching Computer science subjects
- Prescribing Laboratory exercises and monitoring
- Designing and undertaking project work
- Guiding the students in their term project work and performance monitoring
- Offering guidelines and support to computerize various activities of our college

UNDERGONE TRAINING

- Participated in a Five days FDP on “Foundation of coding using Python Programming” Nan Mudhalvan at Madurai Kamaraj University, Madurai March 2024.
- Participated in a Five days FDP on “Oracle Cloud Computing” Nan Mudhalvan at Madurai Kamaraj University, Madurai March 2023.
- Acted as external examiner for B.Com CA for Mother Therasa University Practical examination at N.S College of Arts and Science, Vadaputhuupatti
- Participated in a one day state level technical workshop on “Intellectual Property Rights (IPR) organized by IQAC and TNSCST at CPA College Bodinayakanur, Theni dt.on 10, November 2022
- Participated in Five days Online FDP on “Edge Cutting Technologies in it Field” organised by P.G Department of Computer Science in Rajapalayam Rajus’ College.
- Participated in FDP on Research application in cloud computing: Modelling and simulation using cloudsims at CPA College Bodinayakanur, Theni dt.
- Participated in one day international workshop on Data science and machine learning at Hajee Karutha Rowther Howdia College, Uthamapalayam on 25th August, 2022.
- Participated in a one day state level technical workshop on “Intellectual Property Rights (IPR) organized by IQAC and TNSCST at CPA College Bodinayakanur, Theni dt. on 22nd, February 2023.
- Participated in YSSP 2022 at CPA College Bodinayakanur, Theni dt.
- Participated in Summer internship on machine learning using python programming at CPA College Bodinayakanur, Theni dt. Organised by Aifoundation India.

RESEARCH PROFILE

Research Interest

OOPS Concept, Data Mining and Machine Learning

PUBLICATIONS

- a) 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)**
- b) 2022 S.Madhumalar and Dr..S.Sivakumar Participated and presented in the title “A Study on prediction of diabetic coronary diabetic heart disease using machine learning Algorithms”, Inventive Research Organization(IRO) journal of IOT in Social, Analytics, and Cloud (ISSN: 2582-1369) Annai Vailankanni College of Engineering, Kanniyakumari
- c) 2023 S.Madhumalar and Dr.S.Sivakumar Participated and presented in the title “Efficient prediction of diabetic coronary heart disease using artificial neural network”, Journal of Data Acquisition and processing (ISSN: 1004-9037), Presidency of University.
- d) 2023 S.Madhumalar and Dr.S.Sivakumar Participated and presented in the title “Machine and Deep Learning Algorithm for Diabetic Coronary Heart Disease Prediction” R.M.K College of Engineering and Technology

Conference

1. 2022 S.Madhumalar and Dr..S.Sivakumar Participated and presented in the title “A Study on prediction of diabetic coronary diabetic heart disease using machine learning Algorithms”, International Conference on “Communication, Cyber Security, Robotics, Artificial Intelligence and IOT –ICCCRAI 2022”, Annai Vailankanni College of Engineering, Kanniyakumari
2. 2023 S.Madhumalar and Dr.S.Sivakumar Participated and presented in the title “Efficient prediction of diabetic coronary heart disease using artificial neural network”, International Conference on Artificial Intelligence, Machine learning and Robotics based Automation subsystem Enhancements in social welfare secured computer Application Systems”, Presidency of University.
3. 2023 S.Madhumalar and Dr.S.Sivakumar Participated and presented in the title “Machine and Deep Learning Algorithm for Diabetic Coronary Heart Disease Prediction” International conference on “ Intelligent Computing, Advanced Communication and Materials”-IC²ACM, R.M.K College of Engineering and Technology

Date: 12.08.2024

Place: Bodinayakanur

Mrs. S. Madhumalar