

CURRICULUM VITAE

Dr. K. NITHYANANDAKUMARI

Associate Professor of Computer Science - Cardamom Planters' Association College

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<http://cpacollege.org>

PERSONAL DETAILS

Date of birth: 12th December 1973
Sex: Female
Marital status: Married
Nationality: Indian

AREA OF SPECIALIZATION

- Computer Networks
- Cloud Computing

EXPERIENCE

23.07.2022 – **Associate Professor (12-13A)**
Till date Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

06.07.2018 - **Selection Grade Assistant Professor (11-12)**
22.07.2022 Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

05.07.2013 - **Senior Scale Assistant Professor (10-11)**
05.07.2018 Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

02.07.2008 - **Assistant Professor**
04.07.2013 Department of Computer Science
Cardamom Planters' Association College, Bodinayakanur, Tamilnadu, India.

EDUCATION

July 2022 **Ph.D**
Madurai Kamaraj University, Madurai, Tamilnadu, India.

April 1998 **M.Sc., (Computer Science)**
Urumu Dhanalakshmi College, Bharadidasan University, Trichy, Tamilnadu, India.

- April 1994 **B.Sc., (Computer Science)**
HKRH College, Madurai Kamaraj University, Madurai , Tamilnadu, India.
- April 1990 **HSC**
N.S. Girls Higher Secondary School, Theni, Tamilnadu, India.
- March 1988 **SSLC**
S.K.P. High School, Kombai, Theni, Tamilnadu, India.

ROLES AND RESPONSIBILITY

- **Associate Professor**
 - Department of Computer Science
- **Coordinator**
 - Internal Complaints Committee (ICC)
 - Controller of Internal Examinations
- **Member**
 - Advisory Committee-Women's Cell
 - Readers Club
 - Internal Stock Verification Committee
- **Roles**
 - Teaching Computer science subjects
 - Prescribing Laboratory exercises and monitoring
 - Designing and undertaking project work
 - Organising seminars in the Department
 - Guiding the students in their term project work and performance monitoring

UNDERGONE TRAINING

- Faculty Development Programme (FDP) on Cybersecurity from TN Government Skill Development Corporation under Naan Mudhalvan Scheme.
 - Faculty Development Programme (FDP) on Artificial Intelligence and applications from TN Government Skill Development Corporation under Naan Mudhalvan Scheme.
 - Refresher course in MOOCs from Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi.
 - Faculty Development Programme on Enhancing Learning through Innovative Strategies and Digital Technologies, IQAC, CPA College, Bodinayakanur.
 - Faculty Development Programme on Professional Ethics: A Teacher- A Leader and Innovative Teaching, IQAC, PA College, Bodinayakanur.
 - Refresher course in Computer Science from Madurai Kamaraj University, Madurai.
 - Refresher course in Environmental Studies from Madurai Kamaraj University, Madurai.
 - Refresher course in ICT from Madurai Kamaraj University, Madurai.
 - Orientation course from Madurai Kamaraj University, Madurai.
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AWARDS AND RECOGNITION

- Appreciation Certificate received from the President and the Principal of Cardamom Planters' Association College, Bodinayakanur.
- Appreciation Certificate received from the District Collector, Theni, Tamilnadu for conducting Consumer Club programme.

RESEARCH PROFILE

Research Interest

Cloud Computing and Computer Networks

Research Grants

S. No.	Grant	Status
1	UGC Minor Research Project As <i>Principal Investigator</i> <i>UGC Minor Research Project, Rs. 1,60,000/-, Link No.: 6570/16, 2017-2019.</i>	Completed

PUBLICATIONS

Journals

1. **K. Nithyanandakumari**, S. Sivakumar, Assessment of Ant Colony Optimization Algorithm for DAG Task Scheduling in Cloud Computing, *International Journal of Advanced Trends in Computer Science and Engineering*, 9 (2020), 5278-5286. **(IF - 0.789)**
2. **K. Nithyanandakumari**, S. Sivakumar, Performance Evaluation of Enhanced Heterogeneous Earliest Finish Time Algorithm for DAG Task Scheduling in Cloud Computing, *International Journal of Advanced Science and Technology*, 28 (2019) 178-191. **(SCOPUS Indexed, IF - 0.88)**
3. **K. Nithyanandakumari**, S. Sivakumar, Performance Evaluation of Round Robin Scheduling and its Variants for the Optimum Time Quantum in Cloud Computing, *Journal of Advanced Research in Dynamical and Control Systems*, 10 675-682. **(SCOPUS Indexed)**
4. **K. Nithyanandakumari**, S. Sivakumar, Simulation of a Scheduling Strategy for Dependent Tasks in Cloud Computing, *International Journal of Computational and Applied Mathematics*, 12 (2017) 546-550. **(SCOPUS Indexed)**
5. **K. Nithyanandakumari**, S. Sivakumar, Performance Evaluation of Cloud Workflow Scheduling Using Deep Reinforcement Learning, *Journal of the Maharaja Sayajirao University of Baroda*, Volume-55 No.3 (2021), ISSN: 0025- 0422.**(UGC-CARE I)**

Conference

1. **K. Nithyanandakumari**, S. Sivakumar, "Performance Evaluation of Cloud Workflow Scheduling Using Deep Reinforcement Learning", in Proceedings of International Conference on Innovations in Computer Networks, Computational Intelligence and IoT [ICICCI-21] (Online Mode) on 25th & 26th June 2021 organized by Department of Computer Science and Engineering, St. Martin's Engineering College, Dhulapally, Secunderabad - 500 100, Telangana. ISBN: 978- 81-948781-1-7.
2. **K. Nithyanandakumari**, Dr. S. Sivakumar, "Performance Evaluation of Enhanced Heterogeneous Earliest Finish Time Algorithm for DAG Task Scheduling in Cloud Computing", **UGC Sponsored International Conference on Recent Trends in Advanced Computing(ICRTAC-019)**,Dec.13-14,2019, Erode Arts and Science College, Erode, Tamilnadu,

3. **K. Nithyanandakumari** , S. Sivakumar, “Round Robin Algorithm for Task Scheduling In Cloud Computing”,International Conference on Research Trends in Computing Technologies **(ICRTCT-18)**,Aug.9-10,2018, Dr.N.G.P. Arts and Science College, Coimbatore.
4. **K. Nithyanandakumari** ,S. Sivakumar, “A Study on DAG Model for Task Scheduling in Cloud Environment”, International Conference on Advanced Computing & Communication System – ICACCS 2017 at Sri Eswar College of Engineering, Coimbatore, Tamilnadu, India on 6th – 7th January, 2017.
5. **K. Nithyanandakumari**, Dr. S. Sivakumar , “Simulation of a Scheduling Strategy for Dependent Tasks in Cloud Computing”, **UGC Sponsored National Conference on Mathematical Modelling (NCOMM-2017)**,Mar.30-31,2017, Cardamom Planters Association College, Bodinayakanur.
6. **K. Nithyanandakumari** , S. Sivakumar, “A Study of Cloud Computing Security Issues”, RTRICS 2014: National Conference on Recent Trends and Research Issues in Computer Science, October 9-10, 2014, ISBN: 978-93-80657-74-5.
7. **K. Nithyanandakumari** and S. Sivakumar,“ An innovative community cloud for the exploration of library management”, ICRTiCA’13: International conference on Recent trends in Computer Applications 27th and 28th September 2013, 109-115, ISBN: 978-93-81288-25-0.

Other Publications

1. **K. Nithyanandakumari**, G.Mangai, “Women Empowerment in the era of Globalization in India”, Conference on “Women Empowerment and Globalization”, Women’s Studies Centre, Madurai Kamaraj University, Madurai, Tamilnadu, January 2015, ISBN-978-93-80499-99-4.

MEMBERSHIP AND ACADEMIC BODIES

- Examiner, UG Degree Semester Practical Examinations (Computer Sciences Board), MKU, Madurai.
- Additional Examiner, UG Degree Semester Valuation (Computer Sciences Board), MKU, Madurai.
- Examiner, PG Computer Science Board Central Valuation, MKU, Madurai.

HIGHLIGHTS

Resource Person	- 05
Seminars/Workshops attended	- 20
Programs organized	- 04

Date: 13.08.2024

Place: Bodinayakanur

Dr. K. Nithyanandakumari