

Dr Indiramma M

Contact Address:

Professor and Convener-IIIC
Department of Computer Science and Engineering
BMS College of Engineering,
Bull Temple Road, Basavanagudi
Bangalore
Karnataka – 560012, INDIA
Email IDs: indira.cse@bmsce.ac.in
Indiramanjunath@yahoo.com



Telephone:
Office: +918026622130,

Websites: <http://www.bmsce.in>

Education:

Ph. D. [Computer Science Engineering, Area: Artificial Intelligence and Machine learning]:

Year of Passing: **2010**
Visvesvaraya Technological University
Bangalore-560012, Karnataka, INDIA

M. E. [Computer Science and Engineering]: 1997 - 1999

Year of Passing: **1999**
BMS College of Engineering, Bangalore
Bangalore, University, Karnataka, INDIA
Division/Class: **First Class**

B. E. [Computer Science and Engineering]: 1984 –1988

Year of Passing: **1988**
Department of computer Science and Engineering
PES college of Engineering, Mandya -571401, Mandya, karnataka,
INDIA Division/Class: **First Class with Distinction**

Present Research Area/Research Guide

- **Cloud Computing and Technologies, Service Oriented Grids, Artificial Intelligence and machine learning algorithms for Data-mining applications and Face recognition.**
- **Presently guiding 5 Research Scholars under VTU**

PhD: Title of Thesis /Research Outlines:

Multi Agent System based Collaborative Decision Making Framework with Trust Computation Model for Distributed Organization

Designing and development of

- A Collaborative Decision Making (CDM) Framework for Distributed Organization,
- Trust Computation Model integrated with CDM
- Reinforcement Learning for Recommendations
- A Trust based Consensus algorithm for CDM

Major Courses done in PhD Research Training Programme (RTP):

- ✓ Artificial Intelligence
- ✓ Advanced Database Systems
- ✓ Network Management
- ✓ Network Technologies and Programming

Academic Experience: Teaching

Sept 2010 till date: Professor,
*Dept of Computer Science and Engineering,
BMS College of Engineering, Bangalore.*

Subjects Taught: *Cloud Computing, Artificial Intelligence, Network Security and cryptography, Storage Area Networks, Computer Networks, Data communications, Data mining and data warehouse.*

Jan' 2000 - Aug'2010: Asst Professor,
*Dept of Computer Science and Engineering,
BMS College of Engineering, Bangalore.*

Subjects Taught:
Data structures, Computer Concepts, Theoretical Foundation of Computer Science, System Programming, Software Engineering, Real time systems, Distributed systems, Information security.

Jun' 1996 - Dec'2000: Lecturer,
*Dept of Information Science and Engineering,
BMS College of Engineering, Bangalore.*

Subjects Taught:
Data structures, Computer Organization, Theoretical Foundation of Computer Science, Analysis and design of Algorithms, Computer Networks, Microprocessors, System Programming, Unix programming, management Information systems .

Dec 1988 -Apr'1996: Lecturer,
*Dept of Computer Science and Engineering,
BMS College of Engineering, Bangalore.*

Subjects Taught:
Microprocessors, Theoretical Foundation of Computer Science, System Programming, Software Engineering, Programming Languages, Database management systems.

International Journals

[1] Indiramma M, K R Ananda Kumar, “ TCM : A Trust Computational Model for Collaborative Decision Making in Multi Agent Systems ”, International Journal of Computer Science and Network Security, Vol 8, No.11, ISSN 1738 - 7906, November 2008.

[2] Indiramma M, K R Ananda Kumar, “ Trust and Questionnaire based General Reputation Computational Model for Virtual Organization ”, International Journal of Artificial Intelligent Systems and Machine Learning, Print: ISSN 0974 –

[3] Indiramma M, K R Ananda Kumar, "Behavioral Analysis of Team Members in Virtual Organization based on trust dimension and Learning", International Journal of WASET, Volume 51, ISSN 2070-3724, March 2009.

[4]Indiramma M, K R Ananda Kumar, Trust Computational Model for Virtual Organization", International Journal of Behavioral, Cognitive, Psychological and Education Sciences, Vol 1,no 2, ISSN 2073-0500, Jan 2010.

[5] Nagarathna N., Indiramma M., "Service Ranking using Trust Based Recommendation System for Medical Grids", International Journal of Application or Innovation in Engineering and Management (IJAEM), Volume 2, Issue 12, December 2013. ISSN 2319 – 4847.

[6] Jyothi S Nayak., Indiramma M., "Stable Local feature based Age Invariant Face Recognition", International Journal of Application or Innovation in Engineering and Management (IJAEM), Volume 2, Issue 12, December 2013. ISSN 2319 – 4847.

International/National Conferences Paper presented/Attended

[1]Indiramma M, K R Ananda Kumar, "A survey on Multi Agent Systems for decision making and problem solving", In proceedings of National Conference NCDC,2004, Nitte, India.

[2]International Conference on Cognition and Recognition December 2005MysoreIndia

[3]Indiramma M, K R Ananda Kumar, "Trust based decision making for Multiagentsystems for GIS Application", In proceeding IEEE International Conference RAST07, December 2007, Alwar, India.

[4]Indiramma M, K R Ananda Kumar, "Collaborative decision making for Multiagent Systems for GIS Application", In proceedings of International Conference on Artificial Intelligence, ICAIA08, March 2008, IAENG HongKong.

[5]Indiramma M, K R Ananda Kumar, " Collaborative Multi Agent System decision making Framework for Distributed Systems", In proceedings of IEEE International Conference ICCCE08, May 2008, Malaysia,
<http://ieeexplore.ieee.org/ie15/4569830/4580554/04580785.pdf>

[6]Nagarathna N and Indiramma M, "Recommendation Framework for Service-Oriented Grid", ICoAC 2012- Fourth International Conference on Advanced Computing (IEEE), Anna University,MIT, 13-15 Dec,2012.

[7]Nagarathna N, Indiramma M and Jyothi S Nayak, "Optimal Service Selection Using Trust Based Recommendation System for Service-Oriented Grid", ISCOS 2012 - International Symposium on Cloud and Service Computing (IEEE), National Institute of Technology, Surathkal, Mangalore, 17-18 Dec,2012.

[8]Jyothi S Nayak and Indiramma M, “Efficient Face Recognition with Compensation for Aging Variations”, ICoAC 2012- Fourth International Conference on Advanced Computing (IEEE), Anna University,MIT, 13-15 Dec,2012.

[9]Jyothi S Nayak, Indiramma M and Nagarathna N, “Modeling Self-Principal Component Analysis for Age Invariant Face”, ICCIC 2012 - IEEE International Conference on Computational Intelligence and Computing Research, Tamilnadu College of Engineering, Coimbatore, , 18-20 Dec,2012.

[10]Raghavendra, Indiramma M “Classification and Predictive Model Using Reduced Error Logistic Regression and Artificial Neural Network for Medical Datasets – An Overview”, ICDM 2012- Fourth International Conference on Data Mining, DBIT, Dec 2012.

Reviewer of the International / National Conferences:

- IEEE International Conference on Information Processing ICIP-2012 Bangalore, India.
- International Conference Emerging Research in Electronics Computer Science and Technology (ICERECT-12), December 20-21, 2012, Mandya, INDIA.
- National Conference on Cloud Computing, Indo-Asian Academy, April 2012, Bangalore India.

Session Chair for International / National Conferences:

- Session chair for National Conference on Cloud Computing, Indo-Asian Academy, April 2012, Bangalore India.
- Session chair for IEEE International Conference on Information Processing ICIP-2012 Bangalore, India.
- Session chair for 6th National Conference on Recent trends in computer science & Engineering for students, SJBIT, Bangalore, 2012.

Invited Talks/Resource Person

- Lecture on “Advanced programming in C”, ISTE, BMSCE, and Bangalore2001.
- Lecture on “Computer Networking-A Case Study”, a TEQIP sponsored 3 days workshop on “ Available opportunities for Electronics and Telecommunication Engineers”, BMSCE, Bangalore, Nov 2008
- Lecture on “Software Engineering and Quality Assessment”, PESCE, Mandya, 2010
- Lecture on “Cloud Computing and Security Practice”, IAAI, Bangalore, 2012
- FDP on “Cloud Computing and Emerging Technologies”, SJBIT, Bangalore, 2012
- One week workshop on Data structures, BMSCE, 2011
- One week workshop on Linux kernel Internals , BMSCE ,2011
- One week workshop on Data structures, BMSCE, 2012
- One week workshop on Data structures, BMSCE, 2013

Membership to the Professional Bodies:

1. **Life Member of ISTE:** Indian Society for Technical Education (ISTE), India, Membership no: LM0649
2. **IEEE Member:** 92765841

Technical Workshop/School Attended:

1. ACTS CDAC 60 DAYS: Training on Computer Concepts and Visual Basic, Pune, 1999
2. Five Day workshop: Microprocessor Interface and programming, RVCE, Bangalore , April - 2000.
3. Three Day workshop: Industry oriented software Engineering, IISc-Infosys, Jan 2003.
4. Three Day workshop: Human resource development, AICTE-VTU, Bangalore, May 2003
5. Three Day workshop: Program on Desktop Linux, Sep 2005, Hyderabad
6. Two Day workshop: Series 60 Software development, Oct 2005, Nokia, Bangalore.
7. One Day workshop: E-Resources: A Tool to make Science and Engineering Research Easier, Bangalore May-2006.
8. Three day workshop Blue print for success, Bangalore 2006.
9. Two day workshop: Interpersonal Skills, Assertive Skills and Positive Attitude for Success”, Bangalore 2007.
10. One Day workshop: on Sparsh 2007, TCS, Bangalore.
11. One Day workshop: Learnability – Insights, 06/02/2009, Bangalore.
12. One Day workshop: Intel Multicore architecture, 18/07/2009, MSRIT, Bangalore.
13. One Day workshop: TCS excellence 12/11/2010, Bangalore.
14. One Day workshop: University & Industry Collaboration Meet, 07/12/2010, Chancery pavilion, Bangalore.
15. Two Day workshop: National Summit, Higher Education, CII ,23-24/09/2011 Taj-Vivntha, Bengaluru.
16. Three Day workshop: Finance and Admin Training, 27/01/2011-29/01/2011 BMSCE, Bengaluru.
17. One Day workshop: BITES 11/02/2011, Bangalore.
18. Three Day workshop: Academic Leadership Program, 2/03/2012-05/03/2012 PESIT, Bengaluru.
19. One Day workshop: Industry Interaction day, 04/03/2012 Infosys, Bengaluru.
20. One Day workshop: Faculty day, Sap labs16/03/2012 Sap labs, ITPL, Bengaluru.
21. One Day workshop: CII-Interaction 27/08/2012 PESIT, Bengaluru.
22. Five Day workshop: Perspective on The Grand Challenge for Engineering, July 16th to 20th 2012, BMSCE, Bangalore.
23. One Day workshop: Established of Center Of Excellence 28th Nov 2012, BMSCE, Bangalore.
24. One Day workshop: “Oracle Higher Education seminar”, 20th December 2012, Bangalore.
25. One Day workshop: Massively Empowered Classrooms, 18th Jan 2013, MRG, Bangalore.
26. Six Day workshop: Advanced Digital Communication Concepts Jan 28th to Feb 2 2013, BMSCE Bangalore.
27. Three day workshop: Information Security and Cyber Forensics, 6th Feb to 8th Feb 2013, Bangalore.
28. One Day workshop: Strategic planning, 11 Feb 2013, BMSCE, Bangalore
29. One week workshop: Japanese Management Techniques 26th Aug to 30th 2013, BMSCE, Bangalore.

30. One day workshop on Attend Curriculum Development workshop on 03.09.2013.
31. One day workshop Project Review Workshop of TEQIP II institutions 23.09.2013
32. Two day workshop on “Effective Leadership For Excellence” Organized by International Academy for Competency Enhancement, Bangalore from 27-08-2013 to 28-09-2013

Experiences of Conducting/Organizing Events:

- Two Day Workshop: Code for Freedom workshop under TEQIP and in association with Sun Micro system ,23-24/10/2009, BMS College of Engineering, Bangalore
- One Day Workshop: Advance Software Engineering ,TCS,17/09/2010,BMS College of Engineering, Bangalore
- Three Day Workshop: DB2 and SQL,IBM from 12/10/2010 at BMS College of Engineering, Bangalore
- One Day Workshop: Accenture Carrier day, Accenture on 30/10/2010 at BMS College of Engineering, Bangalore
- One Day Workshop: Cloud Computing, TCS, 28/02/2011, BMS College of Engineering.
- One Day Workshop: Introduction to Android Operating Systems, RVCE, 26/03/2011, BMS College of Engineering.
- Seven Day Workshop: Cloud Computing, Citrix, VMware, Accenture, 22/06/2011 to 29/06/2011 at BMS College of Engineering.
- Three Day workshop: Information Management-DB2, 13th Sep to 15th Sep 2012 at BMSCE, Bangalore.
- One Day workshop: Mission 10 as in association with BITES and WIPRO, 18th Feb 2012, BMSCE, Bangalore.
- Two Day workshop: Microsoft developer Camp, 24th and 25th Jan 2013, BMSCE, Bangalore.
- One day seminar: Massively Empowered Classrooms, 27th Feb 2013, BMSCE, Bangalore.
- One day Faculty Development Programme by Dr. N.M.Bhatta, TCS Technologies “CLOUD COMPUTING” On 07th March 2013
- One month workshop: Solar clan, in association with ENELEK,IIT Bombay,29th July 2013,BMSCE,Banagalore In association with Dept. of MEE, Dept. of EEE.
- One week FDP programme: Storage area network in association with EMC, 29 July 2013 , BMSCE, Bangalore In association with Dept. of CSE, Dept. of ISE.
- One week workshop: Workshop on soft skills for Mtech students , 5 August 2013, BMSCE, Bangalore In association with Dept. of CSE, Dept. of ISE.
- One week workshop: Information Security and Cyber Forensics, 6 Aug to 2013, BMSCE Bangalore

- One week workshop: Workshop on Implementation issues of IPV6” in association with Cisco, 5 August 2013, BMSCE, Bangalore In association with Dept. of CSE, Dept. of ISE
- One day program on SAP techniversity –Whitefield , KPTO, Bangalore
- Two day workshop on : Design thinking and SAP Lumira, BMSCE Bangalore, 7-8th Nov 2013

Administrative Experience

- Coordinating Industry Institute Interaction Cell-BMSCE since 2010
- Headed the department of Computer Science and Engineering, BMSCE, 2000-2010.
- Task team member, Melton Foundation-International Culture Exchange Program 2000-2005.
- Co-ordinator CDAC- VTU program at BMSCE, 1999-2003.
- Faculty in-charge, Mountaineering Club, BMSCE, 2003-2011.
- Advisor, Droid –Robotics student Club, BMSCE 2010-till date