

Name	Dr. M. SAKTHI
Designation	ASSISTANT PROFESSOR & HEAD
Date of Birth	10-08-1969
Address	PG Department of Computer Science, NGM College, Pollachi-642001
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Phone No	9842025651
Educational Qualification	M.Sc., M.Phil., Ph.D
Teaching Experience	23 years
Area of Interest	Data Mining, Pattern Recognition, Object Oriented Programming, Multimedia, Agent technology
Certifications	NIL
Awards and Recognition	Best Paper Award – One Time
Professional Bodies	Course Affiliation Committee Member University Representative CSI Member
Research Guidance (M.Phil /Ph.D)	M.Phil - 15
Student Funded projects	NIL
Mini project /Major project	NIL
Presenting Guest Lectures	NIL
Seminar, Workshop, Conference Attended	25
Faculty Development Program Attended	4
Resource Person in Seminar/FDP/Conference/Workshop	NIL
Papers Presented	8
Papers Published in Journals	8

Conferences/Seminars/Workshops/Faculty Development Programmes

Intra Discipline Participations

1. National Conference on “**Advanced Computer Application**” sponsored by UGC organized by Department of Computer Science on Oct 11th & 12th 2002 at NGM College.
2. National Seminar on “**Recent Trends in Global Networking**” sponsored by AICTE on 14th Feb 2004 at Sree Saraswathi Thyagaraja College, Pollachi.
3. One day National Seminar on “**Multimedia Technologies**” on 24th Jan 2006 at Dr. Mahalingam College of Engineering and Technology, Pollachi.
4. A Seminar in collaboration with University of Manitoba, Winnipeg, Canada “**Course Redesign with Blended Learning**” on 20th Feb 2008 at Dr. MCET, Resource Person Dr. Kathleen Matheos, Associate Dean, Extended Education, University of Manitoba, Canada.
5. Two days National Seminar on “**Advanced Computing**” on 19th & 20th Sept 2008 at D.J Academy for Management Excellence, Coimbatore.
6. **One day International Seminar on “Computational Intelligence**” on 30th Dec 2008 at Bharathiar University, Coimbatore.
7. **One day International Seminar on “Research in Computers: Why, What and How?”** on 13th Dec 2010 at Bharathiar University, Coimbatore.
8. One day National Level Research Seminar on “**Challenges and Strategies in Research**” on 14th Feb 2014 at SNS College of Engineering, Coimbatore.
9. One day National Seminar on “**Recent Trends in Networking Arena – NSRTNA ‘17**” organized by PG Department of Computer Applications on 8th Aug 2017 at NGM College.

Inter Discipline Participations

1. One day National Seminar on “**Environment and Pollution Awareness**” on 21st Oct 2004 at Sree Saraswathi Thyagaraja College, Pollachi.

2. Two days National Conference on **“Human Excellence through Ethics and Value Education”** on 03th & 04th Oct 2008 at NGM College.
3. One day National Seminar on **“Empowering the Youth to Enrich Mankind”** organized by Human Excellence Department on 29th Jan 2016 at NGM College.

Intra Discipline Workshops Attended

1. Workshop on **“LATEX – The Document Preparation System”** on 25th Oct 2005 at NGM College.
2. Workshop on **“Bio-Informatics”** conducted by PG Department of Computer Applications on 21st Sep 2006 at NGM College.
3. Workshop on **“Professional Ethics in Effective Database Design for Real Time Applications”** conducted by PG Department Computer Applications on 28th Aug 2009 at NGM College.
4. Workshop on **“MATLAB- A tool for research”** conducted by School of Information Technology & Science on 5th Sept 2009 at Dr. G.R.Damodaran College of Science, Coimbatore.
5. Workshop on **“ANIMATION-A tool to explore artistic talents”** organized by Department of Computer science on 18th Sept 2009 at NGM college.
6. One day National Level Workshop on **“Recent Trends in Topology”** organized by Department of Mathematics on 28th Jan 2011 at Coimbatore Institute of Technology, Coimbatore.
7. One day Workshop on **“Cloud Computing using Open Source”** on 26th Aug 2011 at Dr. G. R. Damodaran College of Science, Coimbatore.
8. Workshop on **“PHP and MySQL”** organized by Department of Computer Technology from 30th & 31st Jan 2012 at NGM College.
9. Workshop on **“Recent Research Trends in Fuzzy Systems- An Industrial Perspective”** on 1st Jan 2013 at Karunya University, Coimbatore.

10. Participated in **NPTEL Workshop** on 17th April 2015 organized by **IIT Madras** and STC College, Pollachi.
11. Workshop on “**Android**” organized by Department of Computer Science on 17th Dec 2015 NGM College.
12. Workshop on “**Angular JS**” organized by Department of Computer Technology on 18th Dec 2015 at Dr. Mahalingam College of Engineering and Technology, Pollachi.

Inter Discipline Workshops Attended

1. Workshop on “**VERMITECH-14**” organized by Department of Zoology on 14th Aug 2014 at NGM College.

Faculty Development Programmes

1. Faculty Development Programme on “**Classroom Climate**” organized by Department of Commerce on 2nd April 2005 at NGM College.
2. Faculty Development Programme on “**Teaching Learning Process in Computer Application**” on 2nd Dec 2005 at D.J Academy for Management Excellence, Coimbatore.
3. Faculty Development Programme on “**Towards Better Teaching**” on 30th Oct 2016 at NGM College.
4. Faculty Development Program on “**Data Mining using Polyanalyst & MATLAB**” organized by Department of Computer applications on 29th to 30th Sept 2009 at Karunya University, Coimbatore.

Papers Presentations

Intra Discipline

1. Paper Presented at National Seminar titled **“Impact of Global Financial Crisis and the Indian IT sector”** organized by UG Department of Economics on 25th Aug 2009 at NGM College.
2. Paper Presented at UGC sponsored National Seminar titled **“Green Computing: A partial solution for Global Warming”** organized by UG Department of Chemistry on 18th & 19th Feb 2010 at NGM College.
3. Paper Presented at National Seminar titled **“Women Empowerment through Human Right Education: An effective tool for the socio economic development in an era of globalization”** organized by UG Department of Economics and sponsored by UGC on 11th & 12th March 2010 at NGM College.
4. Paper Presented at NAAC Sponsored National Seminar titled **“Assessment Strategies in achieving 21st Century Standards of Learning”** on 17th & 18th Aug 2012 at NGM College.

Inter Discipline

1. Paper Presented at International Seminar titled **“Intelligent Virtual Agent:A Multidisciplinary Approach”** jointly organized by UG Department of Computer Applications and ICT Academy on 18th Dec 2009 at PSGR Krishnammal College for Women, Coimbatore.
2. Paper Presented at UGC sponsored National Seminar on **“An effective determination of initial centroids in k-means clustering using kernel PCA”** jointly organized by Department of Computer Applications, BPC College, Cochin and CSI Cochin Chapter on 03.03.2011 & 04.03.2011, Cochin.
3. Paper Presented at International Conference on Innovations in the digital world titled **“Artificial Neural Networks and Genetic Algorithm”** organized by Department of

Computer Applications and ICT on 3rd Jan 2012 at PSGR Krishnammal College for Women, Coimbatore.

4. Paper Presented at National Conference on **“Recent Developments and Applications in Computer Technology”** organized by Department of Computer Science on 22nd Feb 2016 at Vidyasagar College of Arts and Science, Udumalpet.

Other Recognitions

1. Acted as the Rapporteur in the 23rd Annual Conference of South Indian Numismatic Society conducted by Department of History on 5th & 6th Jan 2013 at NGM College.
2. Acted as the Rapporteur in the Central Institute of Classical Tamil sponsored National Seminar on the Charismatic past of Ancient Kongu conducted by Department of History on 29th to 31st Aug 2013 at NGM College.
3. Acted as a Judge for events conducted by various departments.
4. Nominated as Member of an Inspection Commission constituted to inspect and report on the infrastructural facilities made available at Kongunadu Arts and Science College, Coimbatore for the permanent increase in intake for the courses for the academic year 2014 – 2015.

List of Publications

International Journals

1. M.Sakthi, Dr.Antony Selvadoss Thanamani **“An Effective Determination of Initial Centroids in K-Means Clustering Using Kernel PCA”**, International Journal of Computer Science and Information Technologies (IJCSIT) ISSN: 0975-9646, Volume 2 (3), May-June 2011, 955-959.

2. M.Sakthi, Dr.Antony Selvadoss Thanamani **“An Efficient Constrained K-Means clustering using Self Organizing Map”**, International Journal of Computer Science and Information Security (IJCSIS) Volume 9, No. 4, April 2011.
3. M.Sakthi, Dr.Antony Selvadoss Thanamani **“An Enhanced K-Means Clustering using Improved Hopfield Artificial Neural Network and Genetic Algorithm”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-2, Issue-3, July 2013.
4. **“Improved Minimum Delay Routing Using TBETX Routing Over DSDV Routing Protocol in Wireless Ad Hoc Networks”**, International Journal of Innovative Research in Computer and Communication Engineering Volume 2, Issue 9, September 2014, ISSN (Online): 2320-9801, ISSN (Print): 2320-9798.
5. **“Credential Revocation for Mobile Ad Hoc Networks (Cluster-Based)”** Published in IJOSER (International journal of science and Engineering Research), Volume 3, issue 5, May-2015.Impact Factor 2.237.
6. **“Dynamic channel allocation and load balancing with sleep scheduling in manet”** published in IJOSER (International journal of science and Engineering Research), Volume 2, issue 9 September-2015.ISSN-(O) 3221 5687(P) 3221 568X. Impact factor 2.237.
7. **“Comparison of performance in text categorization of semi structured data”** published in IJRASET (International Journal for Research in Applied Science and Engineering Technology), Volume 4, issue, September 2016. ISSN NO: 2321-9653. Impact factor 5.011.
8. **“Max-Miner Algorithm Using knowledge discovery process in Data Mining”** Published in IJIRCCE, Volume 3, issue 11, Nov-2015, ISSN (online):2320-9801, ISSN (Print):2320-9798.