



### FACULTY PROFILE

Name : NISHA SOMS  
Designation : ASSISTANT PROFESSOR (SENIOR GRADE)  
Email ID : nishasoms.cse@srit.org  
Area of Specialization : WIRELESS AD HOC NETWORKS, MOBILE COMPUTING  
Total Experience : Academic : 7 YEARS 2 MONTHS  
Industry : NIL

#### Educational Qualification:

Degree	Branch / Specialization	College	University
M.E.	CSE	SONA COLLEGE OF TECHNOLOGY	ANNA UNIVERSITY
B.E.	CSE	ARULMIGU KALASALINGAM COLLEGE OF ENGINEERING	MADURAI KAMARAJ UNIVERSITY

#### Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	ASSISTANT PROFESSOR(SENIOR GRADE)	01.10.2014	TILL DATE	1 year 5 months
		ASSISTANT PROFESSOR	01-08-2010	30-09-2014	4 years 2 months
		LECTURER	04.12.2008	31-07-2010	1 year 7 months
<b>Total (as on Feb 2016)</b>					<b>7 Years 2 Months</b>

**Funded Projects:**

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction
NIL				

**Consultancy Work:**

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
NIL				

Patents (Specify the details): NIL

Publications :

Journals :

National / International	Topic	Journal	Year of Publication
International	Application of Os-PCA Algorithm in Identifying Intrusions	International Journal of Applied Engineering Research, Volume 10 Special Issue, Research India Publications, pp. 4028-4032	March 2015
International	Protection of MANETs from a range of attacks using a modified Zone Based Intrusion Detection System	SSRG International Journal of Computer Science and Engineering, SSRG Publishers, pp48-55 IJCSE –Special Issue	March 2015
International	The Secured Mobile Purse- A Mobile Banking Initiative	International Journal of Research in Computer Engineering & Electronics Volume 3, Issue 5	October 2014
International	Visual Architecture Based Web Information Extraction	Bonfringe International Journal of Data Mining, Volume 1, Special Issue	December 2011

**International Conferences:**

National / International	Topic	Conference	Year of Publication
International	Certain Investigations on Securing the OLSR Protocol Against Compound Attacks	IEEE International Conference on Computing Technologies and Intelligent Data Engineering held in National Engineering College, Kovilpatti.	January 7-9 2016
International	A Comprehensive Performance Analysis of Zone Based Intrusion Detection System in Mobile Ad hoc Networks	3rd International Conference on Signal Processing, Communication and Networking(ICSCN) in Madras Institute of Technology, Chennai.	Mar 26-28 2015
International	A Review on Taxonomy of Routing Attacks in Mobile Ad hoc Networks	IEEE International Conference on Engineering and Technology (ICETECH'15 in Rathinam Technical Campus, Coimbatore	March 20 2015
International	Application of Os-PCA Algorithm in Identifying Intrusions	International Conference on Advancements in Computing, Power and Control ICACPC 2015 in Christian College of Engineering and Technology, Dindigul	Feb 24-26 2015
International	Bypassing Beacon Interval for Improving Route Discovery in MANET using Random Cast as Energy Saving Scheme	International Conference on Innovations in Computers, Information and Communications 2012 in PSG College of Technology, Coimbatore	January 5-7 2012
International	Fast Wakeup Mechanism for Route Discovery in Multihop Mobile Ad hoc Networks (MANET) which uses Random Cast as Energy Saving Scheme	International Conference on Research symposium on Pervasive Computing and Its Underlying Technologies 2011 in Velammal Engineering College, Chennai	Sept 15-16 2011

**National Conferences:**

National / International	Topic	Conference	Year of Publication
National	A Review on Support Vector Machine: A Classification Method	National Conference on Recent Advances in Design, Automation and Intelligent Systems 2015 in Dr.N.G.P. Institute of Technology, Coimbatore	March 27 2015
National	Protection of MANETs from a range of attacks using a modified Zone Based Intrusion Detection System	National Conference on Research Advances in Communication, Computation, Electrical Science and Structures 2015 in BharathiyarInstitute of Engineering for Women, Salem	Feb 21 2015
National	False Positive Reduction in Intrusion Detection System of MANETs – A Review	National Conference on Advanced Trends in Information and Computing Sciences 2014 in Kumaraguru College of Technology, Coimbatore	April 4 2014
National	An Analysis on Acknowledgement Based Intrusion Detection Systems in MANETs	Fourth National Conference on Communication, Computation, Control and Automation 2014 in Sri Ramakrishna Institute of Technology, Coimbatore	March 28-29 2014
National	A Review of Work done in Intrusion Detection Systems on Smart Grids	National Conference on Research Advances in Communication, Computation, Electrical Science and Structures 2013 in Bharathiyar Institute of Engineering for Women, Deviyakurichi	February 23 2013

National	An Enhanced Approach to Improve Process Scheduling in Linux Using Fuzzy Decision Trees	National Conference on Innovations in information Technology in Bannari Amman Institute of Technology, Coimbatore	February 17 2010
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Books Published: NIL

**Seminar, Conference, Workshop Organized:**

S.No.	Title	Duration	Level (Intern./ National)
1	One day Workshop on "Algorithmic Thinking and Scratch Programming"	18 of August 2015	SRIT Women in Computing Club
2	One day National Seminar on "Cloud Computing and its Applications"	February 01, 2013	National
3	Fourth National Conference on Communication, Computation, Control and Automation	March 28-29 2014	National
4	Third National Conference on Communication, Computation, Control and Automation	March 09-10 2012	National
5	2 <sup>nd</sup> National Conference on Communication, Computation, Control and Automation	April 23-24, 2010	National

**Seminar, Conference, Workshop Attended:**

Attended Seminar, Conference, Workshop	Date	Venue
One Day Workshop on "Network Simulator – NETSIM for researches"	23 <sup>rd</sup> January 2016	PSG College of Technology
National Workshop On "Cyber Security - Threats and Vulnerability Assessment"	8th& 9th January 2016	PSG College of Technology

One Day Hands-on Workshop on“Launch Yourself with PHP & MySQL”	July 25 2015	Sri Ramakrishna Institute of Technology, Coimbatore
One day National Level Seminar titled “Research Methodologies in Information and Communication Technology”	March 01 2014	Sri Ramakrishna Institute of Technology, Coimbatore
Two days National Workshop titled “Big Data Analytics”	27 And 28 Feb 2015	Sri Ramakrishna Engineering College
CSI Sponsored Two day Workshop titled “Hadoop Eco-system The Practitioner Approach”	January 31 and February 01 2014	Sri Ramakrishna Institute of Technology, Coimbatore
Two days National Workshop titled “Evolutionary Optimization Techniques for Solving Multidisciplinary Research Problems”	December 06 and 07 2013	Karunya University, Coimbatore
One day National Seminar titled “Challenges and Strategies in Research”.	September 27 2013	Department of Computer Science and Engineering at SNS College of Technology, Coimbatore
Two days National Workshop titled “Software for Data Mining”	September 17 and 18, 2013	Department of Computer Applications at Anna University, Regional Center Coimbatore
Two day ISTE Workshop on “Research Methods in Educational Technology” under the National Mission on Education Through ICT (MHRD, Government of India)	February 02 and 09, 2013	organized by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore
Spoken Tutorial Workshops on “Linux, LaTeX, PHP-MySQL and Python”	February 2, 2013.	Sri Ramakrishna Institute of Technology with course material provided by the Talk To a Teacher project of IIT Bombay
One day National Seminar on “Cloud Computing and its Applications”	February 01, 2013	Sri Ramakrishna Institute of Technology, Coimbatore and sponsored by Infosys
“Technical Writing and Presentation with a Focus on Research”	December 14 2012	Sri Ramakrishna Institute of Technology, Coimbatore
Two day ISTE Workshop on “Aakash for Education” under the National Mission on Education Through ICT (MHRD, Government of India)	November 10 and 11, 2012	organized by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore

One day Workshop titled “Neural Networks and its Applications”	September 22, 2012	Sri Krishna College of Engineering and Technology, Coimbatore
Two days ISTE Workshop titled “Writing Effective Conference Papers”	February 18 and 19, 2012	organized by IIT Bombay at PSG College of Technology, Coimbatore
Two days DRDO Sponsored National Workshop titled “Research Trends in Information Security”	February 10 and 11, 2012	Sri Krishna College of Engineering and Technology, Coimbatore
One day Workshop titled “Need Based Approach for Effective Teaching”	June 21, 2011	Sri Ramakrishna Institute of Technology, Coimbatore
Three days ACM sponsored National Workshop titled “Grid and Cloud Computing”	January 28 and 30, 2011	PSG College of Technology

#### **Guest Lectures Delivered:**

<b>Topic</b>	<b>Institution</b>	<b>Date(s)</b>
Intrusion Detection in MANETs	Bharathiyar Institute of Engineering for Women, Salem	<b>Oct 01 2013</b>

#### **Membership in Professional Bodies:**

1. Life Member of International Association of Engineers (IAENG)  
IAENG membership number : 112114
2. ACM Professional Member

#### **Contributions to the Institution, Department and Society:**

1. A member in the Anti-ragging Committee of Institution.
2. Coordinator of Women Empowerment Cell (WEC) of the Institution.
3. A member in the Advisory Committee of CSE Department.
4. Practical Examination In-charge for the Department of CSE.
5. A member in the Accreditation Committee of CSE Department.
6. Coordinator of SRIT Women in Computing Club.
7. Library Advisory Committee Member of the Institution.
8. Acted as an Expert member for project reviews in MCA Department.
9. Project Coordinator of ME – CSE.
10. Secretarial Assistant for Technical Conferences held in SRIT.

11. Tutor for ME-CSE batch (2013-2015), (2014-2016), (2015-2017).
12. Class Tutor for the batch of 2008-2012.
- 13.** Acted as a Compere for various functions of the Institution and Department.

**Awards and Recognitions:**

1. Awarded for the successful completion of conducting the Two weeks ISTE Workshop for “Database Management Systems” in collaboration with IIT Bombay during the period 21 May 2013 to 31 May 2013 in SRIT