


# Sri Sai Ram Engineering College

## Department Of Information Technology

Name & Photo :	<b>T.SHEELA</b>	
Designation:	PROFESSOR	
Qualification :	B.E.,M.S., Ph.D	
Area of Specialisation :	Network Protocols	
Experience :	Teaching : UG: 20 PG : 06	
	Industry : nil - yrs	
No. of workshop / Conferences / FDP attended :	21	
*** No. of workshop / Conferences / FDP organised:	6	
*** Funded Projects	1	
Publication :	Journal	
	National : 3 International : 4	
	Conference	
	National : 7 International : 6	
Research Guidance :	nil	
General : -	<ol style="list-style-type: none"> <li>1. Guided B.E/B.TECH PROJECTS</li> <li>2. Acted as review committee member for papers for the ADCOM 2007 conference conducted by IIT, Guwhati during December 18-21, 2007</li> <li>3. Acted as Resource person in NITTR, A course conducted for Foreign Students on “Computer Networks”, Feb. 2008</li> <li>4. Conducted FDP and SDP Program sponsored by AICTE and ANNA UNIVERSITY.</li> <li>5. Conducted national level technical symposium</li> <li>6. University exam cell coordinator</li> <li>7. Acted as a board chairman at Anna university central valuation.</li> </ol>	

	<p>8. Acted as Chair person in National Level Technical Symposium XploITs2k7, Valliammai Engineering College.</p> <p>9. Acted as Resource person in Anna University Sponsored FDP on “ Graphics and Multimedia” organized by SSEC, 2007</p>
--	---

### **Faculty Development Programs and Seminar Attended**

1. Attended Insight 09 at Infosys on 17.03.09 and 18.03.09.
2. Attended an AIM Academia - IGCAR Meet organized by IGCAR – Kalpakkam on Project proposals on 12.10.07.
3. Attended the National conference on Innovation in information and communication organized by PSG College of technology on 21.09.07.
4. Attended the International conference – INCON organized by SIMS, Sri Sairam engineering college on 22.09.07.
5. Attended the national conference on Information & Communication Technology organized by CSE, SSEC, Sri Sairam Engineering College on 10.03.07.
6. Attended the Seminar on Launch of ISECURIT organized by Anna University on 24.07.06.
7. Attended the Workshop on Advances in Computer technologies and network organized by SSN College of engineering on 04.08.06 & 05.08.06.
8. Attested the Workshop on E-Granary Digital Library Solutions organized by R.M.K Engineering College on 13.03.06.
9. Attested the National Conference on distributed Computing & Knowledge Engineering organized by Departments of Information technology & master of computer applications, organized by Sri Siram Engineering College on 16.09.05 & 17.09.05.
10. Attended the Training programme on Rational Rose IBM organized by Sri Sairam Engineering College on 03.08.05 & 04.08.05.

11. Attended the Training programme under NRC FOSS AUKBC Research center organized by MIT Chennai from 06.06.05 to 18.06.05.
12. Attended a Personality development Programme organized by MBA Dept Sri Sairam Engineering College on 18.03.05.
13. Attended a National Seminar on Research Methodology organized by MBA Dept Sri Sairam Engineering College on 09.02.05.
14. Attended a conference on Wireless network conducted by Tamilnadu Government on 22.09.04.
15. Attended a Conference on HR Meet'04 (Challenges in IT Industry) conducted by NASSCOM on 02.09.04.
16. Attended an International Conference INCON-CCC on "Computer Communication & Control" organized by Sri Sairam Engineering College from 20.08.04.
17. Attended a seminar on CISCO Systems at GRT Grand Marigold organized by Tech – ED Academia 2004 on 16.04.04.
18. Attended the Training programme on ISO – Internal Quality Audit Training organized by Sri Sairam Engineering College on 10.05.03.
19. Attended a seminar on Learning Skills conducted by Madras Academy for Excellence (MAX) at A.V Hall on 16.07.03.
20. Attended the Training programme on Linux OS conducted by Advantage Pro at Computer Center-III, Sri Sairam Engineering College from 03.06.03 to 10.06.03.
21. Attended the ACITE – ISTE STTP on Elements of cryptography in information Security from 17.02.03 and 18.02.03.

## **Workshop/Conferences/FDP organised:**

- **INTERNATIONAL CONFERENCE ORGANIZED**

1. Organized **International conference** on “Innovative computing, Information and communication Technology from 16.12.2009 to 18.12.2009.(Sponsored by AICTE)
2. Coordinator – INCON – CCC on “Computer Communication & Control” from 20.08.04 to 22.08.04.

- **NATIONAL CONFERENCE / PROGRAMME ORGANIZED**

1. Coordinator-Staff development programme ,A national level seminar on ‘Research Methodologies in Next Generation Wireless Networks, 19.09.2010 to 21.09.2010(Sponsored by **Ministry of Communication and Information Technology**)
2. Coordinator – Staff Development Programme on Mobile Networks, 19.01.09 – 30.01.09 (Sponsored by AICTE)
3. Coordinator – National Conference on distributed Computing & Knowledge Engineering , 16.09.05 & 17.09.05.(Sponsored by ISTE)
4. Convener – Faculty Development Programme (FDP), 11.06.07 to 23.06.07. (Sponsored by **Anna University**)
5. Coordinator – State Level Technical symposium SAITECHCELLENCE.

### **Funded projects :**

1. A project title “Performance Analysis of Congestion Control Schemes for TCP based protocols in High Bandwidth Network” was called for discussion under RPS scheme by AICTE on 05-FEB-2008.

(Ref.RID / PRES - (G-3) / 2007 – 2008 / RPS – 114 Dt. 18.01.2008

2. NCP – A project title “E – Drive Automated verticals for Disabled and Multi Purpose Robot” selected under a scheme of NCP at AICTE.

(Ref.8024 / RID / B0111 / NCP (5) / 2008 – 2009 Dt. 21.03.2009

## RESEARCH PUBLICATIONS

### INTERNATIONAL JOURNALS

1. **Sheela T.** and Raja J. (2009), ‘An Effective Mechanism for congestion control in High Speed Networks’, International journal of Computer Science & Network Security, Vol.9.No.04,ISSN:1738-7906,pp.62-70.
2. **Sheela T.** and Raja J. (2009), ‘Seamless Flow of voluminous Data in High Speed Network without congestion using feedback mechanism’, International Journal on Intelligent Electronic Systems, Vol.3, No.1, and ISSN: 0973-9238, pp.75-80.
3. **Sheela T.** and Raja J. (2008), ‘Studies on the Performance Improvement of window Adjustment Procedure in High Bandwidth Delay Product Network’, Journal of Theoretical and Applied Information Technology, Vol.4.No.10,ISSN:1817-3195,pp.931-936.
4. **Sheela T.** and Raja J. (2009), “An effective feedback mechanism for High speed network”, International journal of Electronics circuits and systems “, Vol.3, No.3 ISSN 2070 3724, pp.158-162.

### NATIONAL JOURNALS

1. **Sheela T.** and Raja J. (2009), ‘Maximization of Throughput by Effective Queue management Scheme for High Speed Network’, Indian Journal of Science & Technology, Vol.2, No.3, and ISSN: 0974-6846, 99.28-31.

2. **Sheela T.** and Raja J. (2009), ‘a new model for congestion detection in high speed protocols’, National Journal of System and Information Technology ,Vol.2,No.2,ISSN:0974-3308,pp.158-168.
3. **Sheela T.** and Raja J. (2010), “Congestion detection techniques in high speed network with high speed protocols, Vol.6, No.1, ISSN-0973-1334, pp-10-15.

## **INTERNATIONAL CONFERENCES**

1. **Sheela T.** and Raja. (2009), ‘Seamless flow of Voluminous Data in High speed Network without Congestion using Feedback Mechanism’,Int. Conf. on Computer Information Systems Engineering , World Congress on Science, Engineering and Technology , Penang , Malaysia, Vol.38, ISSN:2070-3740,pp.307-311.
2. **Sheela T.** and Raja J. (2009), ‘An Analysis of performance Improvement for Window Adjustment Procedure in High Bandwidth Delay Product Network’, Int. Conf. on Emerging Trends In Computing (ICETIC), Kamaraj College of Engineering and Technology, Virudhunagar, Tamilnadu, pp.251-255.
3. **Sheela T.** and Raja J. (2007), ‘Performance evaluation of Congestion , Efficiency and Fairness Control for High performance Networks’, Int. Conf. on Trendz in Information Sciences and Computing (TISC), Sathyabama University, Jeppiaar nagar, Chennai,India,pp.28-33.
4. **Sheela T.** and Raja J. (2007), ‘ A Simulation Analysis of Congestion Control Schemes for TCP based protocols in High Bandwidth Environments’, Int. Conf. on Global Business Strategy in Competitive Environment, Sri Sai Ram Institute of management Studies.

5. **Sheela .T** and Raja J. (2009), “An active queue management scheme for high speed networks”, Third International Conference on impact of Economic Criss in global business scenario”. Sri Sai Ram Institute of management Studies.
6. **Sheela.T** and Nithyanandam N. (2010), ‘An analysis of Protocols and congestion Control mechanism in high speed network, Int. Con on sustainable strategies on Technology and management for developing countries(SSTMDC), Singapore.ISBN.978-93-80627-16-18,pp.161-166.

## **NATIONAL CONFERENCES**

1. **Sheela T.** and Raja J. (2009), ‘Maximization of Throughput by Effective Queue, Management Scheme for High Speed Network’, Nat.Conf. On Cross –Layer Networks and IP Security Department of CSE, Annamalai University.
2. **Sheela T.** and Raja.J (2009), ‘ Transfer of Voluminous Data in High Speed Network with Effective Feedback mechanism using High Speed Protocols’, Nat. Conf. on Biomedical Electronics & Biomedical informatics, (NCBEBI) Sri SaiRam Engineering College,pp.67-72.
3. **Sheela T.** and Raja.J (2009), ‘Performance Evaluation of Protocols in Congestion Control for High Performance Networks’, Nat. Conf. on Innovations in Information and Communication Technology, PSG College of Technology.
4. **Sheela T.** and Raja.J (2006) , ‘ Performance Evaluation of Congestion control Algorithm in Computer Communication Network ’, Nat. Conf. on Recent Advancement in Computing, Department of IT – NI College of Engineering.
5. **Sheela T.** and Raja.J (2005), ‘Wired and wireless security through Email and SMS’, Nat. Conf. on New Trends in Distributed Computing and Networking, Department of CSE – Tagore Engineering College.
6. **Sheela T.** and Raja.J (2005), ‘ Wired and wireless security through Email and SMS’, Nat. Conf. on Biomedicine, Communication and Networking, Department

of CSE –SSN Engineering College.

7. **Sheela T.** and Raja.J (2003), ‘Secure File Transfer Using Digital Identification’, Nat. Conf. on Communication and Networking, Department of ECE –SRM Engineering College.

## **Achievements**

1. Best teacher award given by Leo club (2006 & 2010) , Chennai.
2. Secured 100% results in Anna university examination.
3. Principal investigator for the Nationally coordinated project funded by AICTE.
4. Coordinator for Staff Development Program funded by AICTE.
5. Coordinator for Faculty Development Program sponsored by Anna University.
6. Books Authored for Data Structures and Fundamentals of Computer Programming by Anuradha Publishers.
7. Acted as a review committee member for papers for the ADCOM 2007 conference conducted by IIT, Guwhati during December 18-21, 2007.
8. Acted as Resource person in NITTR, A course conducted for Foreign Students on “Computer Networks”, Feb. 2008.
9. Conducted national level technical symposium.
10. University exam cell coordinator.
11. Acted as a board chairman at Anna university central valuation.

12. Acted as Chair person in National Level Technical Symposium XploITs2k7, Valliammai Engineering College.
13. Acted as Resource person in Anna University Sponsored FDP on “Graphics and Multimedia” organized by SSEC, 2007.
14. Guided B.E/B.TECH and M.E PROJECTS.
15. My research articles are cited in Microsoft academic search  
*[academic.research.microsoft.com/Detail?entitytype=1...5&id](http://academic.research.microsoft.com/Detail?entitytype=1...5&id)*