



SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

Yamnampet(V),Ghatkesar(M),RangaReddy(DIST)-501301

Department of Information Technology

Faculty Profile



1. NAME : Dr. N.Ch.Sriman Narayana Iyengar
2. DOB : 24th Feb 1961
3. Qualification : M.E (CSE), Ph.D (CSE)
M.Sc(Appl.Maths), Ph.D(Appl.Maths)
- Highest Qualification : Ph.D (Computer Science and Engineering),
Ph.D (Applied Mathematics)

Academic Performance			
SSC	M. Sc. (Applied Maths)	M.E (CSE)	Ph.D specialization
47.2%	63.1%	67.27%	CSE: Securing Cloud against DDoS attacks
			Mathematics: Porous Media (spherical Shell)

4. Date of Joining : 19-07-2017
(Faculty Registration id: 8594-170914-131547) SAP: ts 1361
5. Post Joined : Professor
6. Current Designation : Professor
7. Number of promotions since joining : NIL
8. Current scale of pay : VI Pay
9. Experience : ` 32+ Years

- SNIST , Hyderabad, Telangana <https://www.sreenidhi.edu.in/> FROM **19-6-2017**
- Vellore Institute of Technology University, Vellore): **1995-2017**
- Holy Institute of Tech. and Science, Hyderabad, Osmania University: **1994-1995**
- Deccan College of Eng. and Tech.,, Hyderabad, Osmania University: **1988-1994**
- Bharateeya Academy of Engineers, Warangal , Andhra Pradesh **1984-1988**

10. List of subjects handled / handling: Software Eng., Computer & Network Security, Predictive Analytics, Cloud Computing, Big-data, Information Security

11 Research Area's Interested: Secured and service oriented Computing, Intelligent Decision Support systems, e-commerce applications, Domain knowledge based Health applications.

12.Ph.D /M.Phil/M.S Guided 12+3+2

Ph.D 12 (COPLETED)

S.No.	Name of the Research Scholar	Title of the thesis	Date and Year of Award
1	Ms.Haleema	Flexible Negotiation Strategies for Agent Based Negotiations in Dynamic E-Commerce Environments	Thesis Submitted On 12-6-2017
2	Ms.V.Sarasvathi	A Study on Quality Compliant Cross Layer Routing and Allocation Strategies in Wireless Mesh Networks	27-5-2016
3	Ms.K.Lavanya	Design of Intelligent Computational Models for precise Agricultural farming practices	11-8-2015
4	Ms. Anupriya E	Information Extraction using hybrid heuristics in Peer to Peer environment	7-8-2014
5	Ms. Geetha Mary A	Privacy Preservation Using Intelligent Techniques	17-7-2014
6	Mr.Rajkumar	Mobile P2P architectures in Health Care and Education .	9-7-2014
7	N.Jeyanthi	A study on securing cloud computing environment against DDO's attacks	25-4-2013
8	Mrs.M.Yuvarani	Exploratory Search Using Lightweight Ontology	24-7-2012
9	Mr.M.A.S.Durai	Design of Intelligent Models for Diagnosis of Cancer in Selected Organs	18-7-2011
10	Mr.E.Sathiyamoorthy	Studies on Mobile Agent Based Trust Management Frameworks in e-Business Environment	20-7-2010
11	Mr.P.V. Krishna	A Study of QoS for wireless Systems	28-8-2008
12	Mrs. A. Kannammal	Scalable and Secure Agent Based Models To Enhance E-Business Environment	26-2-2007

S.No.	Name of the Research Scholar	Title of the thesis	Date and Year of Award
1	N. Junath (MS Research)	Agent Based Detection Mechanism to Outwit Distributed Denial of Service Attacks in Cloud Computing Environment	27-7 2017
2	Ms. Jaya Subalakshmi.R (MS Research)	A study on JADE based Multi-Agent models in Distributed Environment	5-7-2013
3	L.Hema (M.Phil)	An Mobile Agent based Frame Work for Traveler Information System	17-5-2005
4	P.Sivakumar(M.Phil)	Placement of Web Proxies in the Internet	25-4-2004
5	T.Hari Krishna(M.Phil)	A mobile agent based decision support system for e-Procurement	25-4-2004

12. CURENT YEAR FACULTY DEVELOPMENT ACTIVITIES (2017)

No. of R&D Projects		No. of Publications	Teaching Awards Received	Books / Chapters Published	Conf/Seminars / FDP's attended
Submitted	Sanction (Amount)				
-	-	08 (I.J) 02(Int. Conf)	-	-	

13. OVER ALL FACULTY DEVELOPMENT ACTIVITIES (before 2017)

No. of R&D Projects		No. of Publications	Teaching/ RESEARCH Awards Received	Books / Chapters Published	Conf/Seminars / FDP's conducted/attended
Submitted	Sanction (Amount)				
1	18,50,000/-	200+	10+	6	Conf: 2 ; FDP:5 AICTE-ISTE:2 Attended: 25+

13.1 DST Funded Project (CO-PI)

S.No.	Name of the project	Agency (DST)	Year
1	Secured cloud based voice over IP application for telemedicine to rural India As CO-PI (Along with Dr.N.Jeyanthi)	No. SSD/TISN/017/2012 (C) Government of India Department of Science and Technology, SEED Division	2016-2019 18,50,000/=RS

13.2 Awards: Best Teacher: 1997, 1999,2005
Research Awards , 2008,2010,2011,2013,2014,2015 ,2016 etc.,

13.3 Book's Publication: (Vikas Publications, /Laxmi Publications: - New Delhi)

- i. Numerical Methods
- ii. Principles of Visual and Network Programming for B.C.A
- iii. Differential Equations for M.Sc. (Pure)
- iv. Discrete Mathematics
- v. Engineering Mathematics
- vi. Vector Analysis

13.4 AICTE-ISTE Sponsored STTP Coordinated :(Co - Organizer: Dr.B.V.A.Rao, Director International Relations, VIT University, India):2

vii.

S.No.	Name of the STTP	Designed for	Dates and Year of conduct
1	Fuzzy Logic & its Applications in Engineering	For Teachers of Engineering colleges, polytechnic, and Universities	July 5 th to 16 th , 2004
2	Advances in Mathematical Modeling		May 28 th to

	and Engineering Solutions		June 9 th , 2001
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13.5 Work-Shops/ Continuous Education Programmes Organized:

S.No.	Name of the Work-Shop/CEP	Designed for	Dates and Year of conduct
1	Work shop on Mathematical Modeling in computer Science and Information Technologies	Teachers of Engineering colleges/Research Scholars	Feb 20-22, 2014 Sponsored by DST
2	A 7 day Week-end Continuing Education Programme on Computer & Network Security	Specially designed for UG & PG Students	{24,30}-8-2008 {7,21,28}-9-2008 {5, 12,}-10-2008
3	Neural Networks	For Teachers of Engineering colleges	September 11-12, 2003
4	Cyber Attacks- e security	For MCA, M.Sc .M.E Students	August 7-9, 2003
5	Finite Element Methods	for Mathematics Teachers of Engineering colleges	November 16 th -18 th , 2000

13.6. Conferences Organized: 2

S.No.	Name of the Conference	Sponsors	Dates and Year of conduct
1	nccns 2009 National Conference on Cryptography and Network Security	DST,DRDO,VIT	Feb 18-19,2009,
2	MobiComNet-2004 National Conference on Mobile Computing and Networking	TCS, DST & DRDO	September 11-12, 2003

13.7 Foreign Assignment

Deputed to **International school of Software, Wuhan University (China)** from **26th April 2010 - 23rd June 2010** for teaching assignment. (MOU of VIT University).

14. Publications

International Publications : With Research scholars

1. T. Vivekanandan , N. Ch Sriman Narayana Iyengar "Optimal feature selection using a modified differential evolution algorithm and its effectiveness for prediction of heart disease"Computers in Biology and Medicine 90 (2017) 125–136 (Science direct)
2. Geetha, M.A.,Acharjya, D.P. and Iyengar, N.Ch.S.N. (2017) 'Privacy preservation in fuzzyassociation rules using rough set on intuitionistic fuzzy approximation spaces and DSR', Int. J. of Autonomous and Adaptive Communications Systems, Vol. 10,No. 1, pp.67–87.

3. SarasvathiV&N.Ch.S.N.Iyengar, "A Multi Route Rank Based Routing Protocol for Industrial Wireless Mesh Sensor Networks" *Cybernetics and Information Technologies*, (CIT) ,Volume 16, No 4 (December 2016), pp. 73-86
4. Junath N & N. Ch. S. N. Iyengar & M. Kumar .P.C. "Agent Based Detection mechanism to outwit Distributed Denial of Service Attacks in Cloud Computing Environment" *Int. J. of Software Engineering and Its Applications(IJSEIA)*, Vol. 10, No.10 (2016), pp.149-164
5. J.Vijayashree and N.Ch.S.N.Iyengar, "Heart Disease Prediction System Using Data Mining and Hybrid Intelligent Techniques: A review" *Int. J. of Bio-Science and Bio-Technology(IJBSBT)*,Vol.8, No.4 (2016), pp. 139-148.
6. JunathNaseerAhamed& N. Ch. S. N. Iyengar. " A Review on Distributed Denial of Service (DDoS) Mitigation Techniques in Cloud computing Environment", *Int. J. of Security and Its Applications (IJSIA)*, Vol. 10, No. 8 (2016), pp.277-294.
7. J.Jayashree and N.Ch.S.N.Iyengar "A Review on Mobile Based Intelligent Systems for Homecare Monitoring of Diabetic Mellitus Foot Ulcer" *Int. J.of Smart Home(IJSH)*.Vol. 10, No. 8 (2016), pp.201-212.
8. K. Lavanya, M.A SaleemDurai, N.Ch.S.N.Iyengar, "A Hybrid Model for Rice Disease Diagnosis Using Entropy Based Neuro Genetic Algorithm: Computer aided disease diagnosis in Rice" *Int. J. of Agricultural and Environmental Information Systems (IJAEIS)*, Vol. 7, No. 2, April-June 2016,pp.52-66
9. G.S.Shanmugam&N.Ch.S.N.Iyengar,"Effort of Load Balancer to Achieve Green Cloud Computing: A Review", *Int. J. of Multimedia and Ubiquitous Engineering* , IJMUE ,Vol.11, No.3 (2016), pp.317-332 SERSC .
10. Sarasvathi V, N.Ch.S.N.Iyengar,SnehanshuSaha, "Coefficient of Restitution based Cross LayerInterference Aware Routing Protocol in Wireless Mesh Networks" , *Int. J. of Communication Networks and Information Security (IJCNIS)*, Vol. 7, No. 3, December 2015,pp.177-186
11. N.Ch.S.N.Iyengar, GopinathGanapathy, "Chaotic Theory based Defensive Mechanism against Distributed Denial of Service Attack in Cloud Computing Environment" *Int. J. of Security and its applications* ,Vol.9,No.9 ,pp .197-212 ,SERSC, Korea ,September 2015
12. Anupriya .E and N.Ch. S.N.Iyengar, "Adaptive Semantic Indexing of documents for locating relevant information in P2P Networks" *The Int. Arab J. of Information Technology*, Vol. 12, No. 5, September 2015,pp.473-480
13. N.Ch.S.N.Iyengar, GopinathGanapathy, "An Effective Layered Load BalancingMechanism against DDoS Attacks in Cloud Computing Environment" *Int. J. of Security and its applications* ,Vol.9,No.7,PP.17-36 ,SERSC, Korea ,July 2015
14. K. Lavanya, M.A SaleemDurai, N.Ch.S.N.Iyengar, "Site specific soil fertility ranking and seasonal paddy variety selection:An intuitionistic fuzzy rough set and fuzzy bayesian based decision model, *Int. J. of Multimedia and Ubiquitous Engineering* , IJMUE,Vol.10, No.6 (2015), pp.311-328

15. N.Ch.S.N.Iyengar, GopinathGanapathy , " Trilateral Trust based Defending Mechanism against DDoS Attacks in Cloud Computing Environment" *Cybernetics and Information Technologies* (CIT) , Vol.15, No.2, 2015, pp. 119-140.
16. E. Anupriya, N.Ch.S.N.Iyengar, "Semantic Indexing of Hybrid Frequent Pattern based Clustering of Documents with Missing Semantic Information", Accepted for publication in *Int. J. of Computational Intelligence Studies*,vol.4,No.1 ,72-86, 2015 ,*Inderscience Journal*.
17. Sarasvathi V, N.Ch.S.N.Iyengar,SnehanshuSaha, "QoS Guaranteed Intelligent Routing using Hybrid PSO-GA in Wireless Mesh Networks" *Cybernetics and Information Technologies* (CIT), 2015, Vol. 15, No. 1, pp.69-83
18. Rajkumar R, N.Ch.S.N.Iyengar, ChangpengJi , "P2P Mobile JXTA auction for Indian Premier League Cricket Tournament" *Int. J. of Convergence Computing(IJConvC)*, Inder Science Journal , China , Jan 2015, Vol. 1, Issue 3-4, pp. 295-307
19. J.Jayashree, N.Chaudhari&N.Ch.S.N. Iyengar, "Promethean Fuzzy Model to Predict Diabetic Foot Ulcer" *Int. J. of Hybrid Information Technology* (IJHIT), Vol.9, No. 11 (2016), pp 181-198.
20. N.Ch.S.N. Iyengar, Arindam Banerjee, GopinathGanapathy , " A Fuzzy logic based Defending Mechanism against DDoS Attacks in Cloud Computing Environment" Accepted for *Int. J. of Communication Networks and Information Security* (IJCNIS), Vol. 6, No. 3, December 2014,pp.233-245
21. R. Raj Kumar, N.Ch.S.N. Iyengar - "Secure and Synchronized Mobile JXTA Cloud Ecosystem for Sharing Patients HealthCare Information and Medical Reports" *Int. J. of Computers in Healthcare 2014 - Vol. 2, No.1 pp. 15 - 27*
22. R. Raj Kumar, N.Ch.S.N. Iyengar, ChangpengJi - "Design and Implementation of JXTA Based P2P Mobile Learning Environment" ,*Int. J. of Convergence Computing 2014 - Vol. 1, No.2 pp. 149 - 166*
23. Geetha Mary A, D. P. Acharjya and N. Ch. S. N. Iyengar-Algebraic Properties of Rough Set on Two Universal Sets based on Multigranulation, *Int. J. of Rough Sets and Data Analysis*, 1(2), 49-61, July-December 2014
24. K. Lavanya, N.Ch.S.N. Iyengar, M.A. SaleemDurai, T. Raguchander,"Rough Set Model for Nutrition Management in Site Specific Rice Growing Areas", *IJISA*, vol.6, no.10, pp.77-86, 2014.
25. N.Ch. S.N.Iyengar, GopinathGanapathy, Mogan Kumar and Ajith Abraham, A Multilevel Thrust Filtration Defending Mechanism against DDoS Attacks in Cloud Computing Environment, *Int. J. Grid and Utility Computing*, Vol. 5, No. 4, 2014
26. Sarasvathi V, N.Ch.S.N.Iyengar,SnehanshuSaha, "An Efficient Interference Aware Partially Overlapping Channel Assignment and Routing in Wireless Mesh Networks" *Int. J. of Communication Networks and Information Security* (IJCNIS), Vol. 6, No. 1, pp.52-61,2014
27. Geetha Mary A, D. P. Acharjya and N. Ch. S. N. Iyengar,"Privacy Preservation in Fuzzy Association Rules Using Rough Computing and DSR", *Cybernetics and Information Technologies* (CIT), 2014, Vol. 14, No. 1, pp.52-71.

28. Geetha Mary A, D. P. Acharjya and N. Ch. S. N. Iyengar , "Improved Anonymization Algorithms for Hiding Sensitive Information in Hybrid Information System", *Int. J. of Computer Network and Information Security*, 2014, Vol. 6, No. 6, pp.9-17.
29. Lavanya.K and N.Ch. S.N.Iyengar, "SVM Regression and SONN based approach for seasonal crop price prediction", *Int. J. of u- and e-service, Science and Technology(IJUNESST)* of SERSC, Korea, 2013, vol.6,No.4, pp.155-168.
30. Anupriya .E and N.Ch.S.N.Iyengar, "Peer-to-Peer Coordinated Virtual Clustering Of Documents for Information Retrieval", *Int. J. of Information Processing and Management (IJIPM)*, 2013, Vol.4, No.6, pp 86-98.
31. Rajasekaran R, N.Ch.S.N.Iyengar,, "Dynamic Integration of Mobile JXTA with Cloud Computing for Emergency Rural Public Health Care" *Osong Public Health Res Perspect* 2013 4(5), 255-264(Available online at www.sciencedirect.com)
32. Rajasekaran R, N.Ch.S.N.Iyengar,, "Peer-to-Peer JXTA Architecture for Continuing Mobile Medical Education Incorporated in Rural Public Health Centers", *Osong Public Health Res Perspect* ,2013 4(2), 99-106 (Available online at www.sciencedirect.com)
33. N. Jeyanthi, N.Ch.S.N. Iyengar, P C Mogan Kumar, Kannammal A," An Enhanced Entropy Approach to Detect and Prevent DDoS in Cloud Environment" *Int. J. of Communication Networks and Information Security (IJCNIS)*,2013, Vol. 5, No. 2, pp.110-119
34. N. Jeyanthi, UttaraBarde, Sravani M, VenuTiwari and N.Ch. S.N.Iyengar, "Detection of Distributed Denial of Service Attacks in Cloud Computing by Identifying Spoofed IP" *Int. J. Communication Networks and Distributed Systems (IJCND):SI on Cloud Computing* , 2013 ,Vol. 11, No. 3,pp.262-279 ,Inderscience Publishers.
35. N. Jeyanthi, and N.Ch. S.N.Iyengar, "Eos: An Efficient and Scalable Mechanism for Escaping DDoS Attacks in Cloud Computing Environment" *Cybernetics and Information Technologies (CIT)* ,Bulgaria, 2013, Vol. 13 ,No.1.pp.46-60
36. M.Yuvarani,N.Ch. S.N.Iyengar and A.Kannan, "Improved concept-based query expansion using Wikipedia" *Int. J. Communication Networks and Distributed Systems (IJCND)* SI: Modelling of Emerging internet Services: Social Networks and Crowdsourcing, 2013,Vol. 11, No. 1, pp 26-41, inderscience publications
37. M.Yuvarani, N.Ch.S.N.Iyengar and A.Kannan, "Interactive Query Expansion using Concept-Based Directions Finder based on Wikipedia" *Int.Arab J. of Information Technology (IAJIT)*, 2013,Vol. 10, No. 6, 4551.pdf (0.39 Imp.fact)
38. Jaya Subalakshmi.R& N.Ch. S.N.Iyengar "Agent based secured online Hotel booking System" *Int. J. of Computer Science Issues* , 2013, Vol.10,Issue 2,No.1, pp.59-68
39. Jaya Subalakshmi.R&N.Ch. S.N.Iyengar "Enhancing Traditional Health Care System of an Organization for Better Service with Agent Technology by ensuring confidentiality of patient medical Information" "Cybernetics and Information Technologies",2013,vol.13,No.3,pp 140-156.

40. R.Rajkumar and N.Ch. S.N.Iyengar "JXTA:A Technology facilitating mobile P2P Health Management System" *Osong Public Health Res Perspect* ,2012 3(3), 165-169 (Elsevier: (Available online at www.sciencedirect.com)
41. N. Jeyanthi, and N.Ch. S.N.Iyengar, "Packet Resonance Strategy: A Spoof Attack Detection and Prevention Mechanism in Cloud Computing Environment" *Int. J. of Communication Networks and Information Security (IJCNIS)*, 2012 , Vol. 4, No. 3,pp 163-173.
42. N. Jeyanthi, and N.Ch. S.N.Iyengar, "An entropy based approach to detect and distinguish DDoS attacks from flash crowds in VoIP networks", *Int. J. of Network Security (IJNS)*,2012 Vol.14, No.5 , pp.257-269.
43. M.Yuvarani, N.Ch. S.N.Iyengar and A.Kannan, "SRCluster: Web Clustering Engine based on Wikipedia", *Int. J. of Advanced Science and Technology*, 2012, Vol.39, pp.1-18. SERSC, Korea
44. M. A. SaleemDurai, A. Kannan and N. Ch. SrimanNarayanaIyengar, "An Intelligent Knowledge Mining Model for Kidney Cancer Diagnosis using Rough Set Theory", *Int.J. of Bioinformatics Research and Applications-Special Issue on: Computational Intelligence and Health Technologies* , 2012, Vol.8; No 5/6, pp417-35,Inder Science.
45. N. Jeyanthi, and N.Ch. S.N.Iyengar, "MAC Based Routing Table Approach to Detect and Prevent DDoS Attacks and Flash Crowds in VoIP Networks", *Cybernetics and Information Technology*, 2011,Vol.11,No.4, pp.41-52.
46. M.A. SaleemDurai, N.Ch. SrimanNarayanaIyengar, K. Lavanya, "Enhanced Multi Agent Based Kidney Cancer Diagnosis and Prognosis using Fuzzy Rules" *ResComputeria*, 2011, Vol. 2, No 5, pp 32-40
47. M. A. Saleem Durai, A. Kannan and N. Ch. S.N..Iyengar, A Knowledge Mining Model For Lung Cancer Diagnosis Using Rough Set Theory, 2011, *Int.J. of Computing and Information Sciences*,Vol.2,no.2,Feb 2011,pp1-6
48. M. A. Saleem Durai, A. Kannan and N. Ch. S.N.Iyengar, "Architecture for Liver Cancer diagnosis and prognosis using mobile agents", *Int.J.of Advanced Science and Technology*, 2011, Vol.2.No.2, pp 43-53.
49. M. A. Saleem Durai, A. Kannan and N. Ch. S.N.Iyengar, Enhanced Fuzzy Rule Based Diagnostic Model for Lung Cancer using Priority Values, *Int.J. of Computer Science and Information Technologies*, 2011,Vol. 2,No.2,pp.707-710.
50. E.Sathiyamoorthy, N.Ch. S.N.Iyengar, and V.Ramachandran, "Agent Based Trust Management for Category Based E-auction" ,*Int.J. of Advanced Science and Technology* ,2011 vol.2,No.2,28-41
51. E.Anupriya and N.Ch.S.N.Iyengar, "A framework for optimizing the performance of peer-to-peer distributed data mining algorithms" *Int. J. of Computing Science and Communication Technologies (IJSCSCT)*,2010, Vol.3 (1), pp.530-535.

52. Geeta Mary.A and N.Ch.S.N.Iyengar, "A Frame Work for Ontological Privacy Preserved Mining", *Int. J. of Network Security & Its Applications (IJNSA)*,2010 Vol. 2, No. 1, pp.9-20.
53. M. A. SaleemDurai, A. Kannan and N.Ch.S.N.Iyengar, "Fuzzy classification model assisted by intensity based approach and segmentation for breast cancer detection and diagnosis", *Int. J. of Advanced Research in. Computer Science*, 2010, Vol.1,No.3, pp 398-402
54. M. A. SaleemDurai, A. Kannan and N. Ch. S.N.Iyengar, "Effective Analysis And Diagnosis Of Lung Cancer Using Fuzzy Rules", *Int.J. of Engg. Science and Technology*, 2010, Vol. 2.No.6, pp.2102-2108
55. E.Sathiyamoorthy, N.Ch. S.N.Iyengar, and V.Ramachandran, "Agent Based Trust Management Framework using Fuzzy Logic in B2C E-Business Environment", *Int.J. of Computer Theory and Engineering*, 2010,Vol. 2, No. 2, PP.312-316.
56. E.Sathiyamoorthy, N.Ch. S.N.Iyengar, and V.Ramachandran, "Agent Based Trust Management in Distributed e-business environment", *Int .J. of Computer Science and Information Technologies*, 2010, Vol.2,No.1, pp.14-28.
57. E.Sathiyamoorthy, N.Ch. S.N.Iyengar, and V.Ramachandran, "Agent Based Trust Management Model Based on Weight Value Model for Online Auctions" ,*Int.J. of Network Security & Its Applications (IJNSA)* ,2009, Vol.1, No.3,pp 15-31.
58. P.Venkata Krishna and N.Ch. S.N.Iyengar, "Optimal channel allocation algorithm with efficient channel reservation for cellular networks", *Int. J. Communication Networks and Distributed Systems*, 2008 Vol.1, No.1, pp 33-51.
59. P.Venkata Krishna and N.Ch. S.N.Iyengar Sequencing Technique – An Enhancement to 802.11 Medium Access Control to improve the performance of Wireless Networks, *Int. J. Communication Networks and Distributed Systems*, 2008Vol.1,No.1, pp 52-70.
60. P.Venkata Krishna and N.Ch. S.N.Iyengar," An Efficient Hash Table Node Identification Method for Bandwidth Reservation in Hybrid Cellular and Ad Hock Networks", *Computer Communications* , 2008,Vol.31,No.4, pp. 722-733. (Elsevier-Imp .Fac 1.079)
61. P.Venkata Krishna and N.Ch. S.N.Iyengar Design of Sequencing Medium Access Control to Improve the Performance of Wireless Networks, *J. of Computing and Information Technology - CIT*, 2008, Vol.16,No. 2, pp.81–89 .
62. A.Kannammal and N.Ch. S.N.Iyengar, "A Frame Work for Mobile Agent security in Distributed Agent based e-business Systems" *Int. J. of Business and Information(IJBI)*,2008, vol.3, No.1 ,pp 129-143
- 63.** P.Venkata Krishna and N.Ch. S.N.Iyengar, "A Cross Layer Based Qos Model for Wireless and Mobile Networks, *J. of Mobile Communication*, 2007, Vol.1, No4, pp. 114- 120.
64. A.Kannammal and N.Ch. S.N.Iyengar, "A Model for Mobile gent Security in e-business applications" *Int. J. of Business and Information (IJBI)*,2007,vol.2 No.2 (2007), pp. 185-198.

65. A.Kannammal and N.Ch. S.N.Iyengar, "Design and Performance Analysis of Agent Based Architecture for Session Management", *Int. J. Electronic Business(IJEB)*, Vol.5, No.3, 2007, pp263-275.Inderscience
66. A.Kannammal and N.Ch. S.N.Iyengar, "An Enhanced Secure and Scalable Model for Enterprise Applications using Automated Monitoring", *J. of Computer Science(JCS)*, 2006,Science Publications, and New York, USA. Vol.2 ,No.7, pp.589-594.
67. A.Kannammal and N.Ch. S.N.Iyengar, "Reliable Multi System for E-Business Applications", *ACAD Journal of Internet and Computing*, 2006, Vol.18, Part 6, p2.

M.Tech Projects published as Papers

1. Syed Muzamil Basha, H. Balaji, N. Ch. S. N Iyengar and Ronnie D. Caytiles , "A Soft Computing Approach to Provide Recommendation on PIMA Diabetes" ,International Journal of Advanced Science and Technology,Vol.106 (2017) ,pp. 19-32).
2. Aastha Yadav, Sarthak Raisurana, H.Balaji, P. Lalitha, Ronnie D. Caytiles and N. Ch. S. N. Iyengar,"Information Security in Healthcare Organizations using Low-Interaction Honeypot Intrusion Detection System", International Journal of Security and Its Applications,(IJSIA),. Vol. 11, No. 9, 2017,pp. 95-108.
3. Shantan Sawa, H.Balaji, N. Ch. S. N. Iyengar and Ronnie D. Caytiles,"Predicting Diabetics Accuracy Using Rough Set Clusters", International Journal of Grid and Distributed Computing (IJGDC), Vol. 10, No. 9, (2017) pp. 47-56
4. Sushant Ramesh, H. Balaji, N.Ch.S.N Iyengar and Ronnie D. Caytiles, " Optimal Predictive analytics of Pima Diabetics using Deep Learning", International Journal of Database Theory and Application (IJDTA) Vol. 10, No. 9, (2017) pp. 47-62.
5. Romansha Chopra, Nivedita Singh, Yang Zhenning and N.Ch.S.N.Iyengar,Sequence Labeling using Conditional Random Fields, International Journal of u- and e- Service, Science and Technology, IJUNESST Vol. 10, No. 9(2017),pp. 101-108.
6. Kerina Blessmore Chimwayi, Noorie Haris,Ronnie D. Caytiles and N.Ch.S.N Iyengar "Risk Level Prediction of Chronic Kidney Disease Using Neuro- Fuzzy and Hierarchical Clustering Algorithm (s)"International Journal of Multimedia and Ubiquitous Engineering Vol.12, No.8 (2017), pp.23-36
7. Kerina Blessmore Chimwayi, Noorie Haris,Ronnie D. Caytiles and N.Ch.S.N Iyengar,"Enriching Medicare Severity-Diagnosis Related Group (MS-DRG) Payments for Better Service to Inpatients using ANFIS"International Journal of Hybrid Information Technology,Vol. 10, No. 8 (2017), pp.15-34
8. Syed Muzamil Basha, Yang Zhenning1, Dharmendra Singh Rajput,Ronnie D. Caytiles and N. Ch. S.N Iyengar"Comparative Study on Performance Analysis of Time Series Predictive Models" International Journal of Grid and Distributed Computing, Vol. 10, No. 8 (2017), pp.37-48

9. Abhijitsingh Putu Gaonkar, Ritwik Kulkarni, Ronnie D. Caytiles and N.Ch.S.N Iyengar "Classification of Lower Back Pain Disorder Using Multiple Machine Learning Techniques and Identifying Degree of Importance of Each Parameter" *International Journal of Advanced Science and Technology*, Vol.105 (2017), pp.11-24
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23. V. Sravan Kumar, S.Sai Bala Krishna, V.Vijayasherly, N.Ch.S.N.Iyengar "Arogya: A VoIP Application for Providing Diagnosis in Remote Areas" *Proceedings of 1st International Conference on Semantic E-business and Enterprize computing,2008,Sept 17-19,2008* ,pp 199-203
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25. P.V. Krishna and N.Ch. S.N.Iyengar , "Optimal Routing with QOS guarantees in the wireless networks", *Innovative Algorithms and Techniques in Automation, Industrial Electronics and Telecommunications*, 2007 , pp 469-473, Springer.
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27. J.Revathi, P.Venkata Krishna &N.Ch.S.N.Iyengar, " Flow Enhancement and Congestion Detection In Wireless Networks Using ECN Mechanism" ICACC 2007 , International conference, Madurai, India 9-10 Feb, 2007 pp 529-532
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30. M.Senthil Kumar, N.Ch.S.N.Iyengar&A.Kannammal," A Tool For Mobile Learning Environment" Int. Conf. on Science And Technology (ICSTIE 2006): Applications In Industry And Education, UniversitiTeknologi Mara, 8-9 Dec.2006, Malaysia
31. M. Yuvarani, N.Ch.S.N. Iyengar and A. Kannan, "LSCrawler: A Framework for an Enhanced Focused Web Crawler based on Link Semantics" *proceedings of the 2006 IEEE/WIC/ACM , Int. Conf. on Web Intelligence* , 18-22 December 2006, Hongkong ,China ,pp 794-800
32. HariKrishna.T and N.Ch.S.N.Iyengar; "Agent Based Decision for e-Procurement" *Proceedings of International conference on Responsive SCM and Organizational Competitiveness*, Coimbatore (2003)

National Conferences

1. A.HanumanthaRao, N.Ch.S.N.Iyengar; "Power and Energy Demand Forecasting Methodology: - Two Case studies of Tirupati and Tirupattur", *Proceedings of National Conference on Optimization Techniques in Industrial Mathematics*, University of Madras, 1-3 March 2000, pp83-

Mathematics Publications

1. K.S.Balamurugan, S.V.K.Varma, K. Rama Krishna Prasad and N.Ch.S.Iyengar⁴, Dissipation, Chemical Reaction And Thermo-Diffusion Effects On MHD Free Convection Flow Through Porous Medium With Constant Suction, vol.3,no.4,pp.113-131 ,Special Issue Oct. 2011
2. K.S.Balamurugan¹, S.V.K.Varma², K. Rama Krishna Prasad³ and N.Ch.S.Iyengar⁴, Radiation And Chemical Reaction Effects On MHD Mixed Free Convective Flow Through A Porous Medium With Viscous Dissipation, vol.3,no.4,113-131 , pp.86-100, Oct. 2011
3. K.S.Balamurugan, S.V.K.Varma, K. Rama Krishna Prasad, N.Ch.S.N.Iyengar, Chemical Reaction and Thermo Diffusion Effects on MHD Three Dimensional free Convection Couette Flow with Heat Absorption, *International Journal of Advances in Science and Technology*, Vol. 3, No.1, 2011,pp.58-72

4. K.S.Balamurugan, S.V.K.Varma, K. Rama Krishna Prasad, N.Ch.S.N.Iyengar Thermo Diffusion and Chemical Reaction Effects on a Three Dimensional MHD mixed Convective Flow along an infinite vertical porous plate with Viscous and Joules, International Journal of Advances in Science and Technology, Vol. 3, No.1, 2011,pp.73-84
5. V.Bhagya Lakshmi, S. Vijaya Kumar Varma and N.Ch.S.N.Iyengar, "Chemical reaction and Heat source effects on MHD convective flow past a vertical plate under oscillatory suction velocity" International Journal of Advances in Science and Technology (Special Issue), Vol. 3, No.1, 2011,pp.53-63
6. V.Bhagya Lakshmi, S. Vijaya Kumar Varma and N.Ch.S.N.Iyengar, "Mass transfer and chemical reaction effects on unsteady MHD free convection flow past an infinite vertical flat plate with variable suction" International Journal of Advances in Science and Technology(Special Issue), Vol. 3, No.1, 2011,pp.64-74
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8. G. Sarath Chandra, V.V. L. Prasad, S.V.K.Varma&N.Ch.S.N. Iyengar,"A Public Key Cryptosystem Based on Miller – Rabin Primality Test"International Journal of Advances in Science and Technology, Vol. 2(4),54-58. April 2011
9. G. Aruna, B. Rama Bhupal Reddy, S.V.K. Varma&N.Ch.S.N.Iyengar, "A Numerical Study on developed MHD Laminar Mixed Convection in Vertical Channels" Journal of Computer and Mathematical Sciences (An International Research Journal) Vol 2, Issue 4, July , 2011
10. G. Aruna, B. Rama Bhupal Reddy, S.V.K. Varma&N.Ch.S.N.Iyengar, "MHD Laminar Mixed Convection in Vertical Channels using Finite Difference Method " Journal of Computer And Mathematical Sciences(An International Research Journal) Vol 2, Issue 4, July , 2011
11. S. GouseMohiddin, S. Vijaya Kumar Varma ,N.Ch.S.N. Iyengar, "Transient Viscoelastic free Convective Heat and Mass Transfer Past a Vertical Cone with thermal radiation effects in Non-Darcian porous media" J. Comp. & Math. Sci.Vol.1 (3), pp.278-293, April 2010.
12. S. GouseMohiddin, S. Vijaya Kumar Varma , N. Ch. S. N. Iyengar "Unsteady Natural Convection Boundary Layer Flow Past A Vertical Cone With Variable Heat And Mass Flux In Non-Darcian Porous Media" FJAM , Vol. 42, No. 2 pp. 113-128. (June 2010)
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14. S. GouseMohiddin, S. Vijaya Kumar Varma, and N. Ch. S. N. Iyengar, "Unsteady Laminar MHD Free Convective Heat And Mass Transfer In A Visco-elastic Flow Past A

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16. B.Mamatha, S.V.K. Varma , B.Jayaraj & N.Ch.S.N.Iyengar, "Thermo-Difusion Effect On MHD Free Connective Flow And Mass Transfer Through A Porous Medium Bounded By A Vertical Plate" International e-Journal of Engineering Mathematics: Theory and Application, Egypt vol.(7), pp 95-108, Sept 2009
17. J.V. Ramana Murthy, N. Ch. S. N. Iyengar &P.Aparna , "Slow Steady Rotation of a permeable sphere in an incompressible Micropolar Fluid" International Journal of Engineering Mathematics: Theory and Application, Egypt , vol.2 (2007) pp 44-60
18. R. William; N. Ch. S. N. Iyengar, "Compression of wave file by linear scaling". AMSE Periodicals France, Vol. 48 , no 4 (2005) pp 19-36
19. N.Ch.S.N.Iyengar, N.Ch.PattabhiRamacharyulu, "Slow steady rotation of a system of n- concentric porous spherical shells in a viscous fluid about a common diameter", Applied Science Periodical, Vol.IV, No.1, pp10-16 (February 2002)
20. N.Ch.S.N.Iyengar, N.Ch.PattabhiRamacharyulu, "Flow due to slow steady rotation of porous spherical shell in a viscous liquid about one of its diameters "A.M.S.E periodicals, France, Vol.70, No.8, pp1-14, (2001)
21. N.Ch.S.N.Iyengar, J.V.Ramana Murthy, T.R.Ranganatha, "Flow due to slow steady rotation of concentric spheroid and sphere" A.M.S.E periodicals, France, Vol.69, No.4, pp1-10 (2000)
22. N.Ch.S.N.Iyengar, "Slow motion induced by longitudinal oscillations of a non-homogeneous porous spherical shell", Far.East.J.Appl.Math, Vol.4, No.1, pp59-67 ,(2000)
23. N.Ch.S.N.Iyengar, "Strokes flow of a viscous incompressible fluid past a porous spherical shell "Applied Science Periodical, Vol.II, No.2, pp61-64 (May 2000)
24. N.Ch.S.N.Iyengar, N.Ch.PattabhiRamacharyulu, "A note on Secondary Flow in a slowly rotating straight elliptic pipe "Ganita, Vol.49, No.1, pp49-60 (1998)
25. N.Ch.S.N.Iyengar, "A complex variable method for secondary flow in a slowly rotating straight circular pipe ", Far.East.J.Appl.Math, Vol.1, No.3, pp235-246 (1997)
26. N.Ch.S.N.Iyengar, "Slow steady rotation of two concentric porous spherical shells in a viscous liquid about a common diameter", Far.East.J.Appl.Math, Vol.1, No.3, pp219-234 (1997)

15 Society Activities & Recognitions

15.1 Keynote addresses and Invited talks

- a. **Keynote Speaker** : ERPUB & HEAIG Int'l Conference Program Sept. 28-30, 2017 Kuala Lumpur (Malaysia)
- b. **Keynote Speaker** IEEE , ACM & Internet Society of Thailand Chapter sponsored World Congress on Engineering , Science and Technology,Bangkok,22-23 October 2016
- c. **Keynote Speaker** The InternationalConferenceon "Research Innovations in Science and Engineering" RISE 2016 March 20-21, 2016 in Mauritius.
- d. **Invited Speaker** for AICTC 2016 ,12-13 August ,Bikaner
- e. **Speaker** The 5th International Conference on Advances in Information Technology (IAIT2012), Bangkok, December 6-7, 2012
- f. **International co-chair** , The 2010 International Conference on e-Commerce, Tokyo , Jan 19-17, 2011
- g. **Invited speaker** in A five-day "International Conference on Mathematics of Date" at Allahabad, India during, December 31, 2010-January 04, 2011.
- h. **International Liaison** - The 2010 International Conference on e-Commerce, MACAU, Jan 24-27, 2010
- i. **Plenary Speaker and Chairperson** -,International Conference on IT, SrisakdiCharmonman IT Center, **Assumption University**, Suvarnabhumi Campus, Thailand March 30, 2009, (**ICIT-2009**)
- j. **International Liaison** for The 2009 International Conference on e-Commerce, Singapore, Jan 8-10, 2009
- k. **Keynote Speaker** The 7th International Conference on e-Business 2008 (INCEB2008) an also invited speaker, November 7-8,2008 , Rangsit University ,Bangkok [Topic:*Trust management in e-business*]
- l. **Invited Speaker** for International Conference on Soft computing and Intelligent Systems(ICSCS-07), JEC, Jabalpur Dec 27-29,2007,
- m. **Speaker and Chairperson -WIC -2006** The International Conference on Web Intelligence Conference, Hong Kong ,China 18-22 December 2006 , (*LSCrawler: A Framework for an Enhanced Focused Web Crawler based on Link Semantics*)
- n. **Speaker : IADAT-tcn 2005** *TheInternational Conference on Telecommunications and Computer Networks, University of Portsmouth (UK),* Sept 7-9,2005 "*(Implementation of Cryptographic Algorithms for Intranet based e-mails)*"

15.2 Member Technical Committee/ Reviewer for *more than 80 international conferences*

Forth coming: invited speaker and Technical committee member

- 2018 9th International Conference on E-Education, E-Business, E-Management and E-Learning (IC4E 2018) will be held in San Diego, USA during January 11-13, 2018.
- 7th International Conference on Software and Computer Applications (ICSCA 2018), Universiti Malaysia Pahang (UMP), Kuantan, Malaysia during Feb 8-10, 2018. (proceedings by ACM)
- IEEE 2017 International Conference on Advances in Computing, Communication and Control (ICAC3'17)

15.4. Editor in Chief and Guest Editor etc.,

- Advances in Computer Science and Engineering as its Editor-in-Chief for a period ending December 2018.

Associate Editor

- International Journal of Computer Network and Information Security(IJCNIS)
<http://www.mecs-press.org/ijcnis>

Guest Editor:

Int. J. of Communication Networks and Distributed Systems (IJCNDS)
Special Issue on: "Emerging Trends, Applications and Services in Communication Networks"

<http://www.inderscience.com/info/ingeneral/cfp.php?id=3604>

Editorial Board Member (Also Review Board) for Journals

- Egypt journal of computer science and engineering, Egypt. Cairo(from sept 2015)
- [International Journal of Convergence Computing](#)(Inderscience –China)
- *Maejo International Journal of Science and Technology* (ISSN 1905-7873 © 2007), Maejo University (www.mju.ac.th)
- International Journal of Advanced Science and Technology(SERCE-Korea)
- International Journal on Soft Computing (IJSC),AIRCC
- International Arab Journal of Information Technology (IAJIT)

15.3. Life Member Ships

- Fellow Member UACEE ,**the IRED** (The Institute of research Engineers and Doctors) (Member NO.: SNM10100056814)
- Life member, Indian Society for Technical Education (I.S.T.E.), New Delhi, India.
- Senior Member IACSIT, 9 Jurong Town Hall Road iHUB, Singapore 609431, , www.iacsit.org (Member NO.: 80333205)
- Life member, Computer Society of India, Mumbai, India. (LM-.00159902)
- Life Member, Andhra Pradesh Society for Mathematical Sciences
- Life Member, Bharatha Ganitha Parishad (Hindu Banaras University ,Varanasi)
- Life Member , Tripura Society for Mathematical Sciences