National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Curriculum Vitae

1. Name: S. Jaya Nirmala

2. Designation: Assistant Professor

3. Office Address:

4. Telephone (Direct) (Optional): 0431-2503200

    Telephone :   Extn (Optional):

    Mobile (Optional): -

5. Email (Primary): sjaya@nitt.edu   Email (Secondary) : jaya.sjn@gmail.com

6. Field(s) of Specialization:

7.   Employment Profile

Job Title	Employer	From	To
Assistant Professor (Grade-I)	National Institute of Technology, Tiruchirappalli	13-3-2018	Till Date
Assistant Professor (Grade-II)	National Institute of Technology, Tiruchirappalli	1-6-2006	1-3-2018
Lecturer	PSNA College of Engineering and Technology, Dindigul, Tamilnadu	1-6-2004	31-5-2006

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	NITT	2017	NA	Distributed Computing
Master of Technology	Anna University	2004	I Class	Computer Science and Engineering

Bachelor of Technology	Periyar University	2002	I Class	Computer Science and Engineering
HSC	Tamilnadu State Board of Secondary Education	1998	I Class	Mathematics, Physics, Chemistry, Biology
SSLC	Matriculation board	1996	I Class	--

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Residential Warden	PSNA College of Engineering and Technology, Dindigul	June 2004	June 2006
First Year Student Mentor	NIT, Trichy	24-09-2013	23-09-2014
First Year Student Mentor	NIT, Trichy	12-11-2014	19-11-2015
Library Advisory committee member	NIT, Trichy	26-09-2018	2019-09-05
Horticultural Advisory Committee Member	NIT, Trichy	08-08-2020	2021-09-24
TEQIP Coordinator for the CSE department		16-08-2017	24-09-2021

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding	From	To

		Organization	(Month/Year)	(Month/Year)

13. Details of Academic Work
   (i) Curriculum Development
   (ii) Courses taught at Postgraduate and Undergraduate levels
        a. Courses taught at the undergraduate level
                Cloud Computing, Basics of Programming, Operating Systems, Cryptography, Network Principles and Protocols, Microprocessor Systems, Discrete Mathematics, Principles of Programming Languages, Computer Organization and Architecture.
        b. Courses taught at the undergraduate level
                Advanced Network Principles and Protocols, Data Mining and Warehousing

   (iii) Projects guided at Postgraduate level
        a. Projects based on Cloud Security, Cloud Computing, Networking, NLP and Machine Learning
   (iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant / Speaker/ Chairperso n ,Paper presenter, Any other)	Event Organized by	Venue
August 25-26, 2006	Faculty Development Program on Software Quality	National	Participant	Accenture and Anna University	Anna University
March 13-17, 2007	Short Term course on Recent Trends in Processor Architecture	National	Speaker forone session	Dept. of CSE, NITT	NITT
June 18-20, 2007	Workshop on GCC Internals	National	Participant	Dept of CSE, IITB	IITB
July 2-7, 2007	Short term Course on Program Optimization for Multicore Architectures	National	Participant	Dept. of CSE, IITK	IITK
August 11, 2007	IBM Technology Day	Local	Speaker for one session	Dept of CSE, NITT and IBM	NITT
August 17-18, 2007	Workshop on Overview of VLSI-CAD Tools	National	Participant	Dept. of CSE, NITT	NITT
July 7-12, 2008	Induction Training Programme o nInstructional Design and Delivery	Local	Participant	NITTTR, Chennai	NITTTR
November 20, 2008	Workshop on Awareness Programme on Intellectual Property rights	Local	Participant	TEQIP, NITT	NITT
August 5-6, 2010	Workshop on Research Methods	National	Participant	NITT	NITT
January 28-30, 2011	Workshop on Grid and Cloud Computing	National	Participant	PSG College ofTechnology (PSGTech), Coimbatore	PSG Tech
November5-December4, 2011	Two-week IST EWorkshop on Software Development Techniques for Teachers of Engineering andScience Institutes	National	Participant	IITB under NMEICT	Periyar Maniamm ai University, Thanjavur

July 13-15, 2012	The fifth International Conference on Network Security and Applications	International	Paper Presenter	AIRCC	Chennai
May 3-6, 2012	Workshop on Distributed Systems - Research Challenges	National	Participant	PSG Tech, Coimbatore	PSG Tech, Coimbatore
June 25-July 4, 2012	Two-week ISTE Workshop on Introduction to ResearchMethodologies	National	Participant	IITB under NMEICT	NITT
August 8-10, 2012	INDO-US Workshop on Cloud Computing and Web Services	International	Participant	Coimbatore Institute of Technology	Coimbatore Institute of Technology Coimbatore
July 15-19, 2013	QIP Short Term Course on Intelligent Informatics	National	Participant	IITK	IITK
August 22-24, 2013	The 6th ACM IndiaComputing Convention	National	Paper Presenter	VIT, Vellore and ACM IndiaCouncil	VIT, Vellore
October 2014	FDP on Effective Teaching techniques	Local	Participant	Dept. of Management Studies,NITT	NITT
June 30-July 5, 2014	Two-week ISTE Workshop on Computer Networking	National	Participant	IITB under rNMEICT	Sastra University
June 8-12, 2015	Workshop on Big Data Analytics: Tools and Techniques	National	Participant	NITT	NITT

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Short Term course on Recent Trends in Processor Architecture	National	March13-17, 2007	Co-convener	NITT

Workshop on Software Engineering	National	4th – 8th December 2017.	Co-convener	NITT
One-week Crash course for GATE(CS) Exam	National	4th – 8th December 2017	Convener	NITT
Advanced Web Technologies	National	11th – 15th December 2017	Co-convener	NITT
One Day Workshop on Scilab - NMEICT	National	04.05.2019 To 04.05.2019	Convener	NITT
International Conference on Block Chain and Smart Contract	National	07.11.2019 To 11.11.2019	Co-convener	NITT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Guest Lecture on Introduction to Cloud Computing	2017	Anbil Dharmalingam College of Agriculture and Research, Trichy
Guest Lecture on Operating Systems at STTP	2019	MIT Campus, Anna University
Guest Lecture on Multiprocessors	2019	MIT Campus, Anna University

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Senior member	IEEE	92746230
Life Member	ISTE	
Ordinary Member	ACM	3690522

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	One Month, Nov-Dec 2007	To study about the research avenues in Multiprocessors

21. Publications
 (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)

S Jaya Nirmala, Ahtesham Akhtar Patel, S. Mary Saira Bhanu	A Comparative Study on the Secret Sharing Algorithms for Secure Data in the Cloud	International Journal of Cloud Computing	2	63-71	2012	--
Jayadhivya S.K.,, S. Jaya Nirmala, S. Mary Saira Bhanu	Fault Tolerant Workflow Scheduling based on Replication andResubmission of tasks in the Cloud	International Journal of Computer Science and Engineering	6	996-1006	2012	--
S. Jaya Nirmala. S. Mary Saira Bhanu	Catfish PSO based Scheduling of Scientific Workflows in IaaS Clouds	Journal of Computing, Springer	98	1091-1109	2016	0.872
S. Jaya Nirmala, N. Tajunnisha, S. Mary Saira Bhanu	Service Provisioning of Flexible Advance Reservation in the IaaS Cloud	International Journal of Big Data Intelligence, Inderscience	3	154-162	2016	--
Amrith Rajagopal Setlur, S Jaya Nirmala, Har Simrat Singh, Sudhanshu Khoriya	An efficient fault tolerant workflow scheduling approach using replication heuristics and checkpointing in the cloud	Journal of Parallel and Distributed Computing, Elsevier	136	14-28	2019	4.542
Aarthi Paramasivam, S Jaya Nirmala	A Survey on Textual Entailment Based Question Answering	Journal of King Saud University- Computer and Information Sciences	In Press, available online	--	2021	8.839

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
S Jaya Nirmala, Ahtesham Akhtar Patel, S. Mary Saira Bhanu	Security and Availability of data in theCloud	The fifth International Conference on Network Security and Applications	255-261	Network Security	Chennai	2012
S. Jaya Nirmala, Maulik Shah, S. Mary Saira Bhanu	SLA Achievementby Negotiation the Cloud	Proceedingsof the 6th ACM India Computing Convention	Article 18	Computing Trends	VIT, Vellore	2013
N. Tajunnisha, S. Jaya Nirmala, S. Mary Saira Bhanu	Service Provisioning Based on Advance Reservation and DeadlineSensitive Leases in the Cloud	International Conference in Cloud Computing Emerging Markets	99-105	Emerging Cloud Computing Trends	Bangalore	2013
Aakansha Soni, S Jaya Nirmala	Towards Stream Based Intrusion Detection System	International Conference on Computing, Communication and Networking Technologies (ICCCNT)	1-6	Computing and communication	Hyderabad	2018
Vibhashree Deshmukh, S Jaya Nirmala	Open domain conversational chatbot	International Conference on Information, Communication and Computing Technology	266-278	Information, Communication and Computing Technology	New Delhi	2019
Swapna Johnny, S Jaya Nirmala	Key phrase extraction system for agricultural documents	International Conference on Information, Communication and Computing Technology	240-252	Information, Communication and Computing Technology	New Delhi	2019
Chandra Prakash Singh Sengar, S Jaya Nirmala	Label Assignment and Sentimental Analysis for a Product Review on Twitter Data	International Conference on Soft Computing and Signal Processing	199-208	Soft Computing	Hyderabad	2019

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
AS Sreelakshmi, SB Abhinaya, Aishwarya Nair, S Jaya Nirmala	A question answering and quiz generation chatbot for education	2019 Grace Hopper Celebration India (GHCI)	1-6	Computing	Bangalore	2019
Chandra Prakash Singh Sengar, S Jaya Nirmala	Sarcasm Detection in Tweets as Contrast Sentiment in Words Using Machine Learning and Deep Learning Approaches	International Conference on Machine Learning, Image Processing, Network Security and Data Sciences	73-84	Machine Learning	NIT Silchar	2020
Nripesh Kumar, G Srinath, Abhishek Prataap, S Jaya Nirmala	Attention-based Sequential Generative Conversational Agent	2020 5th International Conference on Computing, Communication and Security (ICCCS)	1-6	Security	Online	2020
Anirudh Srikanth, Ashwin Shankar Umasankar, Saravanan Thanu, S Jaya Nirmala	Extractive text summarization using dynamic clustering and co-reference on BERT	2020 5th International Conference on Computing, Communication and Security (ICCCS)	1-5	Security	Online	2020
Devanshi Singh, K Rebecca Suraksha, S Jaya Nirmala	Question Answering Chatbot using Deep Learning with NLP	2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)	1-6	Computing	Online	2021
Reshma Sheik, S Jaya Nirmala	Deep Learning Techniques for Legal Text Summarization	2021 IEEE 8th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	1-5	Computing	Online	2021
Leena Sinha, S Jaya Nirmala	Combining Document Embedding Techniques for Clustering and Analysis of Extractive Summaries	IEEE 8th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	1-7	Computing	Online	2021

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Swapna Johnny, S Jaya Nirmala	Sign Language Translator Using Machine Learning	SN Computer Science	1-6	Intelligent Systems	Online	2021
Swapna Johnny, S Jaya Nirmala	Farmer Query Answering System	SN Computer Science	1-10	Intelligent Systems	Online	2021

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number