

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

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	Anna University	2017	--	Automated Negotiation, Cloud Computing
M.E	Anna University	2010	First Class with Distinction	Computer Science and Engineering
B.Tech	Anna University	2008	First Class with Distinction	Information Technology
XII Std	Tamil Nadu State Board	2004	First Class	Maths, Biology
X Std	Matriculation	2002	First Class	Maths, Science, Social

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
NBA Committee member	Department of CSE	10.11.22	Present

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
DC Member	AVIT, Chennai	Nov, 2019	Present

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2010	Gold Medal	SSN College of Engineering

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

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13. Details of Academic Work

(i) Curriculum Development: B.Tech AI&DS, B.Tech IoT, SNU Chennai.

(ii) Courses taught at Postgraduate and Undergraduate levels:

Programming in C
Data Structures
Database Management Systems
Theory of Computation
Compiler Design
Digital System Design
Operating Systems

(iii) Projects guided at Postgraduate level: NIL

(iv) Other contribution(s): NIL

14. Details of Major R&D Projects:

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Physical Mobility App for the Disabled	University of Malaya	July 2020	June 2022	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/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
30/03/22 and 31/03/22	International Virtual Conference on Machine Learning Applications in Applied Sciences and Mathematics	International	Session Chair	Easwari Engineering College	Online

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10/12/2020 and 11/12/2020	Virtual IEEE International Conference on Power, Energy, Control and Transmission Systems (ICPECTS 2020)	International	Paper Presenter	Sri Sairam Engineering College	Online
25/05/20 to 29/05/20	AICTE ATAL FDP on Data Sciences	National	Participant	Indian Institute of Information Technology, Vadodara	Online
15/04/20 to 19/04/20	AICTE FDP on Internet of Things	National	Participant	National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh	Online
11/11/19 to 15/11/19	AICTE ATAL FDP	National	Participant	Madras Institute of Technology	Madras Institute of Technology
23/10/18 to 27/10/18	FDP on Cognitive Computing	National	Participant	SRMIST	SRMIST
29/01/13	How to Write for and get Published in Scientific Journals and Publish Manuscript	National	Participant	Springer-Edanz	Anna University

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

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18. Invited Talks delivered

Topic	Date	Inviting Organization
Multi Agent Systems	26.08.2021	Easwari Engineering College
Cloud Applications	05.04.2021	Easwari Engineering College

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	International Association of Computer Science and Information Technology (IACSIT)	M 80345182
Life Member	International Association of Engineers (IAENG)	M 124166

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page num bers	Year	Impact Factor of the Journal (Option al)
Thiam Kian Chiew, Selina Khou, Payam Ansari, Usha Kiruthika	Mobile and wearable technologies for persons with disabilities: a bibliometric analysis (2000–2021)	Disability and Rehabilitation: Assistive Technology		1-9	2022	1.834
Usha Kiruthika, Thamarai Selvi Somasundaram, S. Kanaga Suba Raja	Lifecycle Model of a Negotiation Agent: A Survey of Automated Negotiation Techniques	Group Decision and Negotiation	29	1239 - 1262	2020	2.928

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Usha Kiruthika, Thamarai Selvi Somasundaram	Efficient agent-based negotiation by predicting opponent preferences using AHP	Journal of Applied Research and Technology	16	22-34	2018	
Usha Kiruthika, S. Kanaga Suba Raja, R. Jaichandran	IOT based automation of fish farming	Journal of Advanced Research in Dynamical and Control Systems	9	50-57	2017	
Usha Kiruthika, Thamarai Selvi Somasundaram	Efficient negotiation of SLA parameters in cloud computing environment	Asian Journal of Information Technology	15	3587 - 3597	2016	
S. Kanaga Suba Raja, Usha Kiruthika	An energy efficient method for secure and reliable data transmission in wireless body area networks using RelAODV	Wireless Personal Communications	83	2975 - 2997	2015	2.017
Thamarai Selvi Somasundaram, Kannan Govindarajan, Usha Kiruthika, Rajkumar Buyya	Semantic-enabled CARE Resource Broker (SeCRB) for managing grid and cloud environment	The Journal of Supercomputing	68	509-556	2014	2.557

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Utkarsh Maheshwari, Venkata Pavan Kumar Turlapati, Usha Kiruthika	Lucid-GAN: An adversarial network for enhanced image inpainting	IEEE International Conference on Computational Intelligence and Virtual Environmen	1-6	Computational Intelligence	Hong Kong	2021

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		ts for Measureme nt Systems and Application s				
Usha Kiruthika, S. Kanaga Suba Raja, C. J. Raman, V. Balaji	A Novel Fraud Detection Scheme for Credit Card Usage Employing Random Forest Algorithm Combined with Feedback Mechanism	International Conference on Power, Energy, Control and Transmissio n Systems (ICPECTS)	1-6	Power, Energy, Control and Transmissio n Systems	Sri Sairam Enginee ring College, Chennai	2020
Usha Kiruthika, S. Kanaga Suba Raja, V. Balaji, C. J. Raman.	E-Agriculture for Direct Marketing of Food Crops Using Chatbots	International Conference on Power, Energy, Control and Transmissio n Systems (ICPECTS)	1-7	Power, Energy, Control and Transmissio n Systems	Sri Sairam Enginee ring College, Chennai	2020
Venkata Naga Rani Bandaru, S. Usha Kiruthika, G. Rajasekaran, M. Lakshmanan	Device aware VOD Services with Bicubic Interpolation Algorithm on Cloud	4th Conference on Information and Communica tion Technology	1-5	Information and Communic ation Technology	IITDM Kanche epuram, Chennai	2020
Thamarai Selvi Somasundaram, Usha Kiruthika, Gowsalya, M., Hemalatha, A., Philips, A.	Determination of competency of programmers by classification and ranking using AHP	IEEE International Conference on Electro Information Technology	194-200	Electro Information Technology	DeKalb, Illinois	2015
Kanchana Rajaram, Usha Kiruthika	Dynamic Contract Generation and Monitoring for B2B Applications with Composite Services	Communicat ions in Computer and Information Science	362-364	Computer and Information Science	Kochi, Kerala	2010

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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
C.J. Raman, S. Usha Kiruthika, L. Javid Ali, S. Kanaga Suba Raja	Blockchain Technology for Privacy and Security Issues and Challenges in IoT based Systems	CRC Press	2022	9780367654481
Kanaga Suba Raja S, Usha Kiruthika S	Secure and Reliable Data Transmission in Wireless Body Area Networks: An Approach using RelAODV	Lambert Academic Publishing	2020	978-6200549037