

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE –637 215.
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FACULTY PROFILE

01. Name : **DR. N.YUVARAJ**
02. Designation : Associate Professor
03. Date of Birth : 05.08.1987
04. Date of Joining : 07.03.2023
05. Qualification : Ph.D-ICE



SI. No.	Name of the Degree	Specialization	Name of the Institution / University	Name of the University	Year of		Class & % of Marks
					Admitted	Completed	
1.	PH.D. -	COMPUTER SCIENCE AND ENGINEERING (ICE)	ANNA UNIVERSITY, CHENNAI	ANNA UNIVERSITY, CHENNAI	2014	2019	FIRST CLASS & 9.0 (CGPA)
2.	M.E	COMPUTER SCIENCE AND ENGINEERING	SSM COLLEGE OF ENGINEERING, KOMARAPALAYAM	ANNA UNIVERSITY, CHENNAI	2010	2012	FIRST CLASS & 8.1 (CGPA)
3.	B.TECH	INFORMATION TECHNOLOGY	SSM COLLEGE OF ENGINEERING, KOMARAPALAYAM	ANNA UNIVERSITY, CHENNAI	2005	2009	FIRST CLASS & 71

06. Experience, Promotion & Designation Details (Chronological):

a. Teaching:

SI. No.	Name of the Institution	Designation	Nature of work	Period	
				From	To
1.	K.S.R. COLLEGE OF ENGINEERING (AUTONOMOUS), TIRUCHENGODE	ASSOCIATE PROFESSOR	Teaching	07.03.2023	TILL DATE
2.	J.K.K.NATTRAJA COLLEGE OF ENGINEERING AND TECHNOLOGY, KOMARAPALAYAM	ASSISTANT PROFESSOR	Teaching	27.06.2018	06.03.2023
3.	AISHWARYA COLLEGE OF ENGINEERING AND TECHNOLOGY, BHAVANI	ASSISTANT PROFESSOR	Teaching	16.12.2016	18.06.2018
4.	J.K.K. NATTRAJA COLLEGE OF ENGINEERING AND TECHNOLOGY, KOMARAPALAYAM	ASSISTANT PROFESSOR	Teaching	27.06.2016	30.11.2016
5.	EXCEL ENGINEERING COLLEGE, KOMARAPALAYAM.	ASSISTANT PROFESSOR	Teaching	21.06.2012	10.06.2016
Total year of Experience(s)				12 Years 1 Month	

07. Publication Details:

a. Conference Details:**National:**

SI. No.	Title of the Research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
1.	Combined Layer QoS Improvement support approach for Wireless Mesh Networks based upon its security	N. Yuvaraj	Dr.Nagarathina m's College of Engineering, Rasipuram	24 th Feb'17	-	-
2.	Combined Layer QoS Improvement support approach for Wireless Mesh Networks based upon its security	N. Yuvaraj	Vivekanandha College of Technology for Women, Tiruchengode	23 rd Mar'16	-	-
3.	Wireless Mesh Networks	N. Yuvaraj	M.P.N.J Engineering College, Erode	17 th Mar'12	-	-
4.	Wireless Mesh Networks based upon its security	N. Yuvaraj	Gnanamani College of Technology, Namakkal	3 rd Feb'12	-	-

International:

SI. No.	Title of the Research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
Academic Year:2014-2015						
1.	Analyzing Intrusion Detection Systems in Mobile Ad-hoc Network Architectures: A Systematic Review	N. Yuvaraj	International Conference on Intelligent Computing and Communication Techniques (ICICCT-2024)	28th to 29th June, 2024.	-	-
2.	Combined Layer QoS Improvement support approach for Wireless Mesh Networks based upon its security	N. Yuvaraj	J.K.K. Nattraja College of Engineering and Technology, Komarapalayam	20 th & 21 st Mar'15	-	-

b. Journal Details:**National:**

SI. No.	Title of the Research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
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International:

Sl.No	Title of the research paper	Name of the author(s)	Publisher / Journal Name	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
2024-2025						
1.	Swarm optimized differential evolution and probabilistic extreme learning based intrusion detection in MANET	N.Yuvaraj	Computers & Security	22 June 2024	https://doi.org/10.1016/j.cose.2024.103970	
2	ENHANCING FOREST ECOSYSTEM RESILIENCE TO CLIMATE CHANGE WITH VANET AND INTEGRATED NATURAL RESOURCES MODELLING	N.Yuvaraj	Journal of Environmental Protection and Ecology	2024	-	
2023-2024						
3.	Innovative Image Privacy Preservation Applied to Data Perturbation in Cloud	N.Yuvaraj	International Conference on Applied Intelligence and Sustainable Computing	2023	10.1109/ICAISC5844.2023.10200920	
2020-2021						
4.	Markov transition and smart cache congestion control for IoT enabled wireless mesh networks	N.Yuvaraj	Peer-to-Peer Networking and Applications	August 2020	https://link.springer.com/article/10.1007/s12083-020-00969-4 & 19366442	
5.	Cloud resource optimization based on poisson linear deep gradient learning for mobile cloud computing	N.Yuvaraj	Journal of Intelligent & Fuzzy Systems	Jan 2021	http://dx.doi.org/10.3233/JIFS-200799 & 1064-1246	
6.	Radial kernelized regressive merkle–damgård cryptographic hash blockchain for secure data transmission with IoT sensor node	N.Yuvaraj	Peer-to-Peer Networking and Applications	April 2021	https://link.springer.com/article/10.1007/s12083-021-01135-0	

					& 19366442	
2019-2020						
7.	Machine learning based adaptive congestion window adjustment for Congestion Aware Routing in Cross Layer Approach Handling of Wireless Mesh Network	N.Yuvaraj	Cluster Computing	July 2019	https://link.springer.com/article/10.1007%2F10586-018-2357-y & ISSN: 13867857	
8.	Towards Efficient Data Transmission using Energy-based Clustering Model (ECM-EDT) in Heterogeneous VANET	N.Yuvaraj	Test Engineering & Management	April 2020	ISSN: 0193-4120	
9.	Channel State Responsive Routing Using Intensity Probable Field in Wireless Sensor Networks	N.Yuvaraj	International Journal of Advanced Research in Engineering and Technology (IJARET)	April 2020	ISSN: 0976-6480	
10.	An Improvement Of Software Vulnerability And Classification Model Using Deep Neural Network Based On Big Data	N.Yuvaraj	International Journal of Advanced Science and Technology	2020	ISSN: 2005-4238	
2017 - 2018						
11.	An Extended Cross Layer Approach Handling Asymmetry with Quality of Service, Congestion Avoidance and Congestion Aware Routing	N.Yuvaraj	Journal of Computational and Theoretical Nanoscience	Feb 2018	http://dx.doi.org/10.1166/jctn.2018.7143 & ISSN: 1546-1955	
2013 - 2014						
12.	Identification and Evaluation of Code Using Refactoring Method	N.Yuvaraj	International Journal of Engineering Research & Technology (IJERT)	Jan 2014	ISSN: 2278-0181	

2012-2013

13.	Generate Dynamic Key On Asymmetric Key Cryptography Infrastructure	N.Yuvaraj	International Journal of Engineering Research & Technology (IJERT)	Dec 2012	ISSN NO: 2278-0181	
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Summary:

	National Level		International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
At KSRCE	-	-	3	1
At others colleges	-	4	10	1

08. Details of Monographs, Books & Patterns:

Sl.No.	Title	Name of the author(s)	Publisher Name	Year of publication
Patent				
-				
Book				
1.	Data Science for Beginners	Dr. N.Yuvaraj	Global AASAN Research	2023
2.	Object Oriented Analysis and Design	Dr. S.Vijayanand Dr. N.Yuvaraj	The Charulatha Publications	2020
3.	Object Oriented Programming	S.Vijayanand Dr. N.Yuvaraj	The Charulatha Publications	2020

09. Details of Winter/Summer Schools Attended (all faculty enrichment programme):

Sl. No.	Name of the programme	Organized by	Date & Duration
1.	Faculty Development Programme on Introduction to PHP Programming	J.K.K Nattraja College of Engineering and Technology	12 th to 14 th March '20
2.	Faculty Development Programme on Sales force Essentials for Business Specialists	K.S Rangasamy College of Technology	5 th to 9 th Aug '19
3.	Faculty Development Programme on Animation and Visual Effects in Web Designing	J.K.K Nattraja College of Engineering and Technology	27 th Feb '19
4.	Faculty Development Programme on	Excel Engineering College	16 th & 17 th Nov '18

	Advanced Python Programming		
5.	Faculty Development Programme on Introduction to Mobile App development	J.K.K Nattaraja College of Engineering and Technology	11 th & 12 th Sep'18
6.	FDP on Communication Skills	J.K.K Nataraja College of Arts & Science	4 th & 5 th Jul'18

10. Details of Workshops/ Seminars Attended:

Sl.No	Name of the Programme	Organized by	Date & Duration
1.	Webinar Program on Digital Transformation in Enterprise	ICT Academy	18 th April'20
2.	Webinar Program on Design Thinking - Preparing the mind for disruption	ICT Academy	17 th April'20
3.	Webinar Program on Cyber security Essentials	ICT Academy	16 th April'20
4.	Webinar Program on Introduction to AI & ML	ICT Academy	15 th April'20
5.	Webinar Program on TheFuture of Making	ICT Academy	14 th April'20
6.	One-day National Level Workshop on IoT Machine Learning	Excel Engineering College	28 th Jan'20
7.	National Level Seminar on Hadoop & Open Nebula	M.P.Nachimuthu M.Jaganathan Engineering College	9 th & 10 th Sep'16
8.	One day National Level Seminar on Insight to Research, Publications, Proposals and Patents (IRPPP)	Bannari Amman Institute of Technology	13 th Feb'16
9.	Workshop on "Enhancing Research and Publication Skills (WERPS)"	Mahendra Engineering College	8 th Nov'14
10.	Two-Week ISTE Workshop on "Database Management Systems"	Excel Engineering College	21 st to 31 st May'13
11.	One-day National Level Workshop on "Future Networks Wired or Wireless"	Excel Engineering College	31 st Jan'13
12.	One-day Workshop on "Networking"	Excel Engineering College	Sep'13
13.	Two-day ISTE Workshop on "Aakash for Education"	Indian Institute of technology	10 th to 11 th Nov'12
14.	Two-day ISTE Workshop on "Aakash for Education"	Indian Institute of technology	10 th & 11 th Nov'12

15.	One-day Workshop on “Virtualization and Network Security”	SSM College of Engineering College	23 rd Jan’11
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11. Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl.No	Name of the programme	Sponsored by	Acted as	Duration	Convener
Academic Year: 2021 - 2022					
1.	NPTEL Awareness Workshop	Classle Knowledge Pvt., Chennai	Coordinator	1 Day (01.11.12)	Mr.K.Rajtilak & Dr.P.Ramesh Kumar

12. Consultancy Projects:

Sl. No.	Year	Title of the Project	Funding Agency	Amount (in Rs.)
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13. Details of Guest Lecturer / Resource Person inside and outside the college: (FDP / Training / Workshop / Seminar)

Sl. No	Name of the programme	Organized by	Acted as	Duration
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14. Area of Interest : Wireless Networks, IoT, Cloud Computing and AI

15. Professional Membership : MISTE

16. Details of the Subjects Handled (Others):

S.No	Name of the Subject
1.	Fundamentals of Computing and Programming
2.	Environmental Science and Engineering
3.	Data Base Management Systems
4.	DAA
5.	Web Technology
6.	Cryptography and Network Security
7.	High Speed Networks
8.	Service Oriented Architecture
9.	OOAD
10.	Distributed Systems

11.	Cloud Computing
12.	Big Data Analytics
13.	Operating Systems
14.	OOPS
15.	Data Structure
16.	Software Testing
17.	SPM
18.	Mobile Communication

17. Additional Responsibilities:

Department Level

S. No.	Details of Work	Work allotted by
1.	Class Advisor	HOD
2.	AICTE, Anna University Inspection Coordinator	HOD
3.	Department Placement Coordinator	HOD
4.	Project coordinator	HoD
5.	Overall Placement coordinator for the Institution	Director
6.	Overall Admission coordinator for the Institution for Tamilnadu and Kerala	Director

18. Self-Appraisal

Major Strengths: 1. Self Confident 2. Motivator 3. Team Leader

Major Weaknesses: 1. Short temper 2. Expectation 3. Friendliness

19. No of Research Scholars Pursuing Ph.D: 6

Dr.N.Yuvaraj