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

01. Name : J. Nirmala Gandhi

02. Designation : Assistant Professor

03. DateofBirth : 10.07.1988

04. Dateof Joining : 04.07.2018

05. Qualification :

SI. No.	Name of the Degree	Specialization	Name of the Institution / University	Name of the University	Year of Admitted	Year of Completed	Class & % of Marks
1.	Ph.D.,	ICE	-	Anna University - Chennai	2022	Pursuing	-
2.	M.E.,	CSE	AnnaiMathammal Sheela Engineering College, Namakkal	Anna University - Coimbatore	2009	2011	9.06 CGPA
3.	B.E.,	CSE	K.S.R. College of Engineering, Tiruchengode	Anna University - Chennai	2005	2009	78%

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

a. Teaching:

SI. No.	Name of the Institution	Designation	Nature of work	Period From	Period To
1.	Paavai College of Engineering, Namakkal.	Assistant Professor	Teaching	01.06.2011	17.07.2014
2.	KSR College of Engineering, Tiruchengode	Assistant Professor	Teaching	04.07.2018	Till Date
			Total year of Experience(s)	7.5 years	

b. Industry:

Sl. No.	Name of the Organization	Designation	Nature of work	Period From	Period To
	-	-	-	-	-
			Total year of Experience(s)	-	

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
Academic Year : 2010-2011					
1.	On reducing Broadcast Redundancy in Sensor Networks	J. Nirmala Gandhi	Mahendra Institute of Technology	30th March, 2011	-	-
	Academic Year : 2012-2013					
2.	Mobile Location Tracking in Wireless Network using Cache Scheme	J. Nirmala Gandhi	SNS College of Engineering, Coimbatore	1st and 2nd March, 2013	-	-
	Academic Year : 2018-2019					
3.	E-mail spam Detection using Cosine Similarity and KL Divergence	J. Nirmala Gandhi	Nandha College of Technology	1st March, 2019	-	-
	Academic Year : 2019-2020					
4.	Robust and Continuous scalable integration framework to deploy and maintain	J. Nirmala Gandhi	Nandha Engineering College	22nd February 2020	-	-
5.	Efficient enhanced cheating resilient bandwidth distribution system	J. Nirmala Gandhi	Nandha Engineering College	22nd February 2020	-	-

International:

SI. No.	Title of the Research paper	Name of the author(s)	Publisher / JournalName	Month & Year of publication	DOI & ISSN No.	IF / SJR / SNIP / H index / K index
	Academic Year : 2012-2013					
1.	Speech Recognition Synthesis for Natural Intelligence Environment	J. Nirmala Gandhi	J.K.K.Nattrajan College of Engineering and Technology	8th and 9th March 2013		

b. **JournalDetails:**

National:

Sl. No.	Title of the research paper	Name of the author(s)	Publisher / JournalName	Month &Year of publication	DOI & ISSN No.	IF / SJR / SNIP /H index /K index
-	-	-	-	-	-	-

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 : 2015-2016						
1.	Image Watermark Detector using Gauss Hermite Expansion in Wavelet Domain:	J. Nirmala Gandhi P. Sasikumar	International Journal of Core Research in Communication Engineering	03.06.2015	2349-7742.	-
Academic Year : 2018-2019						
2.	A Collaborative Spam Detection System With A Novel E-Mail Abstraction Scheme	J. Nirmala Gandhi	South Asian Journal Of Engineering And Technology	2019	-	-
Academic Year : 2019-2020						
3.	Robust and Scalable Continuous Integration Framework to Deploy and Maintain nPulse	Mrs.J.Nirmala Gandhi Ms.P.Monisha	International Journal of Research and Advanced Development	June 2020	2581-4451	-
Academic Year : 2020-2021						
4.	Privacy Preserving Machine Learning in various attacks on Security Threat models	M.Subbulakshmi S.SujithaA.P.Vet rivelJ.Nirmala Gandhi K.Venkatesh Guru	RevistaGeintecG estaoInovacao e Technologies	April 2021	ISSN : 2237-0722	

Summary:

	National Level		International Level	
	Journal(s)	**Conference(s)**	**Journal(s)**	**Conference(s)**
At KSRCE	-	-	-	-
At others colleges	-	5	4	1

08. Details of Monographs, Books &Patterns:

Sl. No.	Title	Name of the author(s)	Publisher Name	Year of publication
Patent				
1.	A Novel Disinfection Machine for a Portable Object	Dr.Chabi Gupta Dr.K.Venkatesh Guru Mrs.J.Nirmala Gandhi Jeya Daisy I S.Saravana Kumar	Official Journal of the Patent Office	2021
Book				
1.	Fundamentals of Python Programming	Dr. V. Senthil kumar Dr. J. Vignesh Mrs.J. Nirmala Gandhi Dr. K. Venkatesh Guru	Scientific International Publishing House	2022

09. Details of Proposal:

Public Sector:

Sl. No.	Title of the Proposal	Details of Funding Agency	Date & Duration	Status
-	-	-	-	-

Private Sector:

Sl. No.	Title of the Proposal	Details of Funding Agency	Date & Duration	Status
-	-	-	-	-

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

SI. No.	Name of the programme	Organized by	Date & Duration
1.	Programming in Java	NPTEL online Course	Jan-Apr 2019 (12 Weeks)
2.	FDP on Problem Based Learning	KSR College of Engineering	11th February 2019 to 15nd February 2019
3.	Python for Data Science	NPTEL online Course	Aug–Sep 2019 (4 Weeks)
4.	IIT Bombay Spoken Tutorial Java Training	Zeal College of Engineering and Research	9th April 2020 to 13th April 2020
5.	IIT Bombay Spoken Tutorial FDP on HTML	B.S.Abdur Rahman Cresent Institute of Science and Technology	20th April 2020 to 24th April 2020
6.	FDP on Blended Teaching Techniques	Vel Tech MultiTech	25th January 2021 to 7th February 2021
7.	ATAL FDP on "Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence, Medical Devices and	R.M.K. Engineering College.	15th June 2021 to 19th June 2021

	Internet of Things"		
8.	ATAL FDP on "Cyber Security"	Vivekanand Education Society's Institute Of Technology.	05th July 2021 to 09th July 2021
9.	ATAL FDP on "Cyber Security & Applications"	Sharad Institute of Technology College of Engineering.	12th July 2021 to 16th July 2021
10.	ATAL FDP on "Recent Trends in Artificial Neural Networks"	J.K.K.Nataraja College of Arts & Science.	21st September 2021 to 26th September 2021
11.	FDP on Big Data Computing	NPTEL	Aug - Oct 2021
12.	FDP on Amazon Web Services	Nehru Institute of Technology	22nd to 27th of August 2022

11. Details of Workshops/ Seminars Attended:

SI. No	Name of the programme	Organized by	Date & Duration
1.	National Seminar on Artificial Intelligence and Expertsystems	M.Kumarasamy College of Engineering, Karur	18th and 19th August, 2011.
2.	National workshop on Emerging Cyber security Issues in Smart Grid	Kongu Engineering College	1st and 2nd February 2013.
3.	NationalworkshoponRecentTrends in Ubiquitous and Embedded computing	Bharadhidasan Institute of Technology	4th May 2013
4.	National Seminar on Big Data- A New World of Opportunities	Hindusthan College of Engineering and Technology	22nd and 23rd August 2013.
5.	National Seminar on DataMining, Rough Sets and GranularComputing	Kongu Engineering College	12th and 13th December 2013
6.	Distinguished Facilitator of Inspire Faculty Excellence Award 2014 program	Infosys, Bangalore	14th May 2014
7.	ISTE workshop on Computer Programming	Indian Institute of Technology Bombay	20th May 2014 to 21st June 2014
8.	ISTE workshop on Computer Networking	Indian Institute of Technology Bombay	28th May 2014 to 5th July 2014
9.	Workshop on Big Data Analytics using Rapid Miner Tool	Kauveri Engineering College	2nd August 2018
10.	Workshop on Python	Amphisoft Technologies, Coimbatore	8th April 2019 to 12th April 2019
11.	Seminar on "How to write a Research paper"	K.S.Rangasamy College of Technology	28th August 2019
11.	Workshop on Robotics	Central University of Kerala, ATAL	1st November 2019 to 5th November 2019
12.	Workshop on OBE	KSR Institute for Engineering and Technology	19th November 2019 to 21st November 2019
13.	Webinar on Skycampus Digital KnowledgeSeries	ICT Academy	20th April 2020 to 29th May 2020

12. Details of Winter/Summer Schools/Workshops/Seminarsorganized:

SI. No	Name of the programme	Sponsored by	Acted as	Duration	Convener
Academic Year : 2018 - 2019					
1.	Power of visual learning	ISTE	Coordinator	One Day (16.03.2019)	Dr.A.Rajiv Kannan Dr.V.Sharmila
Academic Year : 2020 - 2021					
2.	Cyber Security Awarness Training Program for Women Welfare	ICSSR	Coordinator	Two Day (27.04.2021& 28.04.2021)	Dr.A.Rajiv Kannan Dr.N.S.Nithya
Academic Year : 2021 - 2022					
3.	Deep Learning Techniques – A Practical Perspective	-	Coordinator	6 Days (25.10.2021 to 30.10.2021)	Dr.A.Rajiv Kannan Dr.N.S.Nithya
Academic Year : 2022 - 2023					
4.	How to do On-Premise Networking	-	Coordinator	One Day 20.09.2022	Dr.A.Rajiv Kannan Dr.V.Sharmila

13. Details of Guest Lecturer / Resource Person inside and outside the college:
(FDP / Training / Workshop / Seminar)

SI. No	Name of the programme	Organized by	Acted as	Duration
1.	Guest Lecture on Python for Begineers	Sri Shanmuga College of Engineering and Technology	Resource Person	22.03.2022
2.	Guest Lecture on Python Programming	Bharathidasan University	Resource Person	21.07.2022

14. Area of Interest   : **Operating Systems, DataStructures**

15. Professional Membership   : **Nil**

16. Details of the Subjects Handled (inKSRCE):

SI. No	Academic Year	Semesters	Name of the Subject	Year & Class of students	% of Pass
1.	2018-2019	Odd	Computer Architecture	II - B	100
			Internet Programming	IV - B	94.11
		Even	Artificial Intelligence	III - B	92.54
		Odd	Computer Organization and Architecture	II - A & B	82

2.	2019-2020	Even	Artificial Intelligence	III - B	100
			Java Programming	III EEE	100
3.	2020-2021	Odd	Web Programming	III - A	100
			Programming for Problem Solving	I - EEE	97
		Even	Java Programming	II - A & B	98
4.	2021-2022	Odd	Python Programming	II - A & B	95
		Even	Java Programming	II - B	92
			Agile Software Development	III – A&B	92
5.	2022-2023	Odd	Python Programming	II - B	-
			Object Oriented Programming in C++	II - EEE	-

17. AdditionalResponsibilities:

a. CollegeLevel

SI. No.	Details of Work	Work allotted by	Duration
1.	Digital Advertisement	Principal	29.04.2019 to 15.07.2019
2.	Digital Attendance Management System	Principal	17.06.2019 to 31.12.2020
3.	College Website Incharge	Principal	17.06.2019 to 31.08.2019

b. DepartmentLevel

SI. No.	Details of Work	Work allotted by	Duration
1.	Class Advisor	HoD	15.07.2018 to Till date
2.	Department Website Incharge	HoD	15.07.2018 to 30.06.2022
3.	Co-Curricular activities File maintenance	HoD	17.12.2018 to 16.06.2019
4.	Journal and Conference File Maintenance	HoD	17.06.2019 to 30.06.2022
5.	Faculty Progression Team	HoD	01.07.2022 to till date

18. Self-Appraisal

MajorStrengths   : Smart Worker, Adapt in any Situation
Major Weaknesses: Impatient

J.Nirmala Gandhi