

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

01. Name : V.Shanmugavalli
02. Designation :AP
03. Date of Birth :03.05.1985
04. Date of Joining :02.06.2021

**05. Qualification:**

Sl. 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	Biometrics	Anna University of Technology, Chennai	Anna University, Chennai	Jan 2018	(On going)	-
2.	M.E	CSE	K S R Institute for Engineering and Technology	Anna University, Chennai	2012	2014	I & 7.6 CGPA
3.	B.E	CSE	Vivekanandha College of Engineering for Women, Tiruchengode.	Anna University, Chennai	2002	2006	I & 75%

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

Sl. No.	Name of the Institution	Designation	Nature of work	Period	
				From	To
1.	Vivekanandha College of Engineering for Women	Assistant Professor	Teaching	22.08.2014	01.06.2021
2.	K.S.R. College of Engineering	Assistant Professor	Teaching	02.06.2021	Till Date
Total year of Experience(s)				9 Years 1 Months	

b. Industry:

Sl. No.	Name of the Organization	Designation	Nature of work	Period	
				From	To
1.	Temenos India Pvt Ltd	Technical Consultant	Software Programmer	07.02.2008	10.07.2011

2.	Wisual IT Solution Pvt Ltd	Software Engineer	Software Programmer	06.06.2006	07.01.2008
Total year of Experience(s)				5.4 years	

07. Publication Details:

a. Conference Details:

National:

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
2013-14						
1.	Biometric Authentication Based on Interactive and Somatic for Authentic User	V.Shanmugavalli	Innovation in Information Technology (NCIIT 2014)	27th & 28th February, 2014	-	-

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
2013-14						
1.	Biometric Authentication based on Keystroke Dynamics for Realistic User	V.Shanmugavalli	International Conference on Knowledge Collaboration in Engineering	24th & 25th January 2014	-	-
2023-24						
2	Securing Data in the Cloud: The Application of Fuzzy Identity Biometric Encryption for Enhanced Privacy and Authentication	Chandrasekar Venkatachalam, Manivannan K, Shanmugavalli Venkatachalam	4th International Conference on Image Processing and Capsule Networks (ICIPCN-2023)	10 th & 11 th Aug, 2023		
2024-25						
3	Transforming Ophthalmic Diagnosis: A Deep Learning Approach for Accurate Eye Disease Classification	Chandrasekar Venkatachalam, Manivannan K, Priyanka Shah Shanmugavalli Venkatachalam	5 th International Conference on Image Processing and Capsule Network (ICIPCN 2024)	3 rd & 4 th July, 2024		
4	Enhancing Leukemia Diagnosis: A Deep Learning Approach for Subtype Classification	Chandrasekar Venkatachalam, , Shanmugavalli Venkatachalam	2nd World Conference on Communication & Computing (WCONF 2024)	12 th & 14 th July, 2024		

b. Journal Details:**National:**

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
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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
2013-2014						
1	Keystroke Dynamics for Authentication based on Biometrics for Convincing User	V.Shanmugavalli	International Journal of Research in Information Technology (IJRIT)	December 2013	Volume 1, Special Issue 12, ISSN: 2001 – 5569	
2014-2015						
2.	Multi Model Biometric Authentication using Fuzzy Set	V.Shanmugavalli	Australian Journal of Basic Applied Science(AJBAS)	2014	Volume 8, issue 5	
2015-2016						
3.	A Review on Attribute based Access Control Scheme in Cloud Environments	V.Shanmugavalli	The Institute of Interactive Omics and Applied Biotechnology Journal	2016	Vol-7, Issue-9 Pp 568 - 574	-
4.	Efficient Data Gathering Using Mobile Collectors and Dual Data Uploading in Wireless Sensor Networks	V.Shanmugavalli	Middle-East Journal of Scientific Research	2016	PP 275-280	-
2017-2018						

5.	A Three Layer Privacy Preserving Cloud Storage Scheme Based On Computational Intelligence in Fog Computing	V.Shanmugavalli	International Research Journal in Advanced Engineering and Technology	2018	Volume 4, Issue No.3, E-ISSN : 2454-4752 P-ISSN : 2454-4744	-
2018-2019						
6.	A Novel Approach of Finger Vein Recognition for Personal Authentication	V.Shanmugavalli	International Journal of Intellectual Advancements and Research in Engineering Computations	2019	Volume-7 Issue-1, ISSN:2348-2079, Vol.-07(01) 2019 [301-307	-
7.	A Three Layer Privacy Protective Cloud Storage Theme Supported Procedure Intelligence in Fog Computing	V.Shanmugavalli	International Journal of Engineering and Advanced Technology (IJEAT)	August 2019	Vol.8, Issue-65, ISSN:2249-8958	
2019-2020						
8.	A Survey on Security Enhancement of Fragmentation and Replication with Division based Cloud Storage	V.Shanmugavalli	International Journal of Intellectual Advancements and Research in Engineering Computations (IJIAREC)	2020	Vol.8, Issue-1, ISSN:2348-2079, Page 68-72	
2020-2021						
9	Prediction of Crime Rate Analysis using Supervised Classification Machine Learning Approach	V.Shanmugavalli	Innovative Journal of Innovative Research in Computer & Communication Engineering (IJIRCCCE)	May 2021	Vol.9, Issue-5, e-ISSN: 2320-9801, p-ISSN: 2320-9798, Page:5649-56555	
10.	ADDL: Alzheimer's Disease Detection Using Deep Learning	V.Shanmugavalli	International Journal for Science and Advance Research In Technology(IJSART)	June 2021	Volume 7 Issue 6 – Page – 145-149 DOI: 10.1038/s41598-024-57480-6	

11	A Computer Aided Diagnosis of Lung Disease using Machine Learning approach	V.Shanmugavalli	International Journal of Speech Technology (IJST)	June 2021		
2023-2024						
12	A Hybrid Machine Learning Technique for Multiple Soft Biometric Based Dynamic Keystroke Pattern Recognition System	V.Shanmugavalli	Neural Processing Letter	Sep 2023	Volume: 55, Issue: page. 10845-10871	Impact Factor: 3.1
13	Optimizing Dynamic Keystroke Pattern Recognition with Hybrid Deep Learning Technique for Multiple Soft Biometric Factors	V.Shanmugavalli	International Journal of Computers Communications and Control	March 2024	Volume: 19, Issue:2 page. 1-17	Impact Factor: 2.7
14	Secure malicious node detection in flying ad-hoc networks using enhanced AODV algorithm	V.Shanmugavalli	International Journal of Computers Communications and Control	April 2024	Volume 14 Issue 1 – ISSN [ONLINE]: 2395-1052 Page – 1-17	
2024-2025						
15	Optimal Intelligent Information Retrieval and Reliable Storage Scheme for Cloud Environment And E-Learning Big Data Analytics	V.Shanmugavalli	Knowledge and Information Systems	Accepted (Yet to be published)	https://doi.org/10.21203/rs.3.rs-2545685/v1	

Summary:

	National Level		International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
At KSRCE	-	-	-	-
At others colleges	-	1	15	4

8. Details of Monographs, Books & Patterns:

Sl. No.	Title	Name of the author(s)	Publisher Name	Year of publication
1.	Current Approaches in Science and Technology Research	V.Shanmugavalli	B P International Publications	Vol.8 ,eBook ISBN:93-91312-46-6, DOI:10.9734/bpi/castr/v8/10624D Chapter 5, Print ISBN: 978-93-91312-32-9, Page"97-112. June 2021
2.	Big Data Analytics	V.Shanmugavalli	Central West Publications	ISBN(print): 978-1-922617-17-0 Nov - 2021
3.	Machine Learning Techniques	V.Shanmugavalli	KIARA Publications	ISBN No: 978-93-5577-328-9 Nov-2022
4.	Data Base Management Systems	V.Shanmugavalli	Charulatha Publications	ISBN No: 978-93-6260-951-9 Mar-2024
5.	Internet of Things Enabled Unmanned Irrigation System	V.Shanmugavalli	Patent & Design, Kolkata	11 th Sep 2023 (Patent)

9. Details of Proposal:**Public Sector:**

Sl. No.	Title of the Proposal	Details of Funding Agency	Date & Duration	Status
1.	-Visualization and Image Rebuilding from Human Brain based Computer Interface Implementation	SERB - SURE-	36 Months	Applied (14 Dec 2023)

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):

Sl. No.	Name of the programme	Organized by	Date & Duration
1.	Design and Analysis of Algorithms	KSR College of Engineering	08 th to 14 th December 2014
2.	Learning Improvement Techniques	IIT Madras with PALS	09 th to 11 th November 2016
3.	Introduction to Internet of Things	Dhirajlal Gandhi College of Technology	10 th to 11 th August 2017
4.	FDP on Nation Board of Accreditation	Vivekanandha College of Engineering for Women	16 th February 2018

5.	Faculty awareness program on “leading towards excellence in teaching”	Vivekanandha College of Engineering for Women	19 th July 2018
6.	FDP on Introduction to R Programming	ICT Academy & Velalar College of Engineering and Technology	27 th to 28 th November 2018
7.	FDP program Guru Srishti	Vivekanandha College of Engineering for Women	15 th February 2019
8.	FDP on Python for Data Science	NPTEL/Swayam	August and September 2019
9.	FDP on Data Science and Big Data Analytics	ICT Academy held at VCEW	12 th August to 17 th August 2019
10.	FDP on Virtual Teaching	CIT – TLC	20 and 21 April 2020
11.	Online FDP in Improving Your Research Visibility	Velalar College of Engineering and Technology, Erode	11 th May to 13 th May 2020
12.	FDP on Python 3.4.3	Spoken Tutorial IIT Bombay held at VCEW	9 th August to 16 th April 2020
13.	Online FDP in Cyber Security	ATAL FDP at Indian Institute of Information Technology, Pune.	22 nd to 26 February 2021
14.	FDP on Intelligent Objects & Technologies for Building Applications On Data Science With Machine Learning Techniques Using Internet of Things	AICTE sponsored FDP at KSR College of Engineering	8 th to 12 th March 2021
15.	FDP on Practical insight into key concepts of Blockchain	ATAL Online FDP at Ramaiah Institute of Technology	12 th to 16 July 2021
16.	FDP on Computer Vision and Natural Language Processing	ATAL Online FDP at North Cap University	19 th to 23 rd July 2021
17.	FDP on Machine Learning Frontiers in Healthcare	ATAL Online FDP at National Institute of Technology, Delhi	26 th to 30 th July 2021
18.	FDP on Quantum Computing Algorithms and Machine Learning	ATAL Online FDP at R V College of Engineering	2 nd to 6 th August 2021
19.	FDP on Introduction to Machine Learning	NPTEL – AICTE FDP	July – September 2021
20.	Industry – Train The Trainer Program on Full Stack Engineer	Virtusa	October – November 2021
21.	Technical Talk serious on “Industry Institute Integrated Technology Transfer”	KGiSL Institute of Technology, Coimbatore	14 th to 19 th March 2022

22.	Outcome based Education – Recent Development in Quality Assurance	Professional Skill Development cell - KSRCE	12 th October 2022
23.	FDP on The Joy of Computing Python	NPTEL – AICTE FDP	July – October 2022
24.	FDP on Emerging Trends in Artificial Intelligent Systems	JAIN – Deemed to be University	31 st , 1 st , 2 nd Mar – 8 th , 9 th April 2023
25.	FDP on Cognitive Intelligence in Data Science	Muthayammal Engineering College with AICTE	20 th to 25 th Nov 2023
26.	FDP on Applications of Cyber Security Intelligence and Analytics	KSRCT / ATAL	4 th to 9 th Dec 2023
27.	FDP on Data Analytics using Power BI and Tableau	Parul Univ, Amity Pune With ExcelR	11 th Mar to 15 th Mar 2024
28.	FSD on Gen AI – The AI Road show	KSRCE	26 th March 2024
29.	FDP on Cloud Computing	NPTEL / Swayam	July – October 2023
30.	FDP on Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL / Swayam	Jan – Apr 2024

11. Details of Workshops/ Seminars Attended:

Sl. No	Name of the programme	Organized by	Date & Duration
1.	Hands on WEKA	Kongu Engineering College, Erode	31 st August 2013
2.	Introduction to Design of Algorithms	IIT Kharagpur, Vivekanandha Engineering College for Women	27 th to 30 th May 2015
3.	Intellectual Property Rights and Innovation	VIETW Association With Anna University	06 th November 2015
4.	Introduction To Mobile Application Development	Nandha Engineering college	23 rd and 24 th September 2016
5.	Brain Based Curriculum Development	Vivekanandha College of Arts and Science for Women	04 th March 2016
6.	Research paper writing & patent filing	Vivekanandha Engineering College for Women	24 th August 2016
7.	Icmr sponsored seminar on advanced computer software tools used on bioinformatics	Vivekanandha Engineering College for Women	09 th and 10 th August 2017
8.	Icmr sponsored seminar on smart health care prediction using data mining	Vivekanandha Engineering College for Women	09 th and 10 th March 2018
9.	Two days hands on workshop	Vivekanandha Engineering	16 th and 17 th August 2018

	“power of python in current it industries”	College for Women	
10.	Workshop on question paper setting by various knowledge levels for continuous assessment	Vivekanandha Engineering College for Women	19 th January 2019
11.	NPTEL Online Course on Python for Data Science	NPTEL/Swayam	August and September 2019
12.	Online Course on Bootcamp Beginners Intro to SQL	Udemy	29 th October 2019
13.	Online Course on Python 101 for Data Science	Cognitive Class.ai – IBM initiative	7 th December 2019
14.	Online Course on The Python Programmer Bootcamp	365 Data Science	3 rd April 2020
15.	Online Digital Knowledge Series	ICTACT – Skycampus	09 th to 24 th April 2020
16.	Online Courses on Examination Reforms	AICTE	22 nd to 25 th April 2020
17.	Online Introductory Course on Data Driven Innovation	Sathyabama Institute of Science and Technology	02 nd to 4 th June 2020
18.	Webinar on Ethical Hacking	Crecent Institute of Science & Technology	11 th June 2020
19.	Webinar on Machine Learning Onramp – Demo on Building Learning Models	Gnanamani College of Technology, Namakkal	13 th June 2020
20.	Webinar on Understanding Legal Risks in Remote Teaching and Learning	Kanpur Institute of Technology, Kanpur	25 th June 2020
21.	Webinar on Towards a Victim Justice System	Francis Xavier, Thirunelveli	27 th June 2020
22.	Webinar on Data Science Vs Business Intelligence	Francis Xavier, Thirunelveli	29 th June 2020
23.	Webinar on Opportunities for Freshers in the Data Analytics	Imarticus Learning and SNS College of Engineering, Coimbatore	3 rd July 2020
24.	Webinar on How to keep students engaged through Effective Online Classes	ICT Academy, Vivekanandha Engineering College for Women	11 th July 2020
25.	Webinar on NAAC Revised Assessment Methodologies and Quality Enhancement Strategies	Vivekanandha Engineering College for Women	5 th December 2020
26.	NPTEL Online Course on Introduction to Machine Learning	NPTEL/Swayam	July to September 2021
27.	NPTEL Online Course on Joy of Computing Python	NPTEL/Swayam	July to October 2022
28.	NPTEL Online Course on Cloud Computing	NPTEL / Swayam	July – October 2023
29.	NPTEL Online Course on Introduction to Industry 4.0 and	NPTEL / Swayam	Jan – Apr 2024

	Industrial Internet of Things		
30.	Online FDP on Machine Learning	Skill Dzire with AICTE	June – July 2024

2. Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl. No	Name of the programme	Sponsored by	Acted as	Duration	Convener
1.	Hadoop	-	Co-ordinator	11.09.2015	VCEW - Dr.L.Malathi
2.	Expectation of IT Industry	-	Co-ordinator	25.02.2017	VCEW - Dr.L.Malathi
3.	Computer Application in Renewable Energy and Agriculture	-	Co-ordinator	03.04.2018	VCEW - Dr.L.Malathi
4.	Alumni Meet – Reunion and Rejuvenation Program	-	Co-ordinator	22.12.2018	VCEW - Principal
5.	Cloud Computing and its Applications in AWS	-	Co-ordinator	14.09.2022	KSRCE – Dr.A.Rajiv Kannan Dr.V.Sharmila
6	Seminar- Software Testing	-	Co-ordinator	09.02.2023	KSRCE – Dr.A.Rajiv Kannan Dr.V.Sharmila

13. Area of Interest : Data Mining, Software Engineering and Biometrics

14. Professional Membership : ISSE, IASTE

15. Details of the Subjects Handled (in KSRCE):

S.No	Academic Year	Semesters	Name of the Subject	Class	% of Pass
1.	2020-2021	Even	Mobile Computing	III – A & B	100
			Mini Project	III - B	100
2.	2021-2022	Odd	Computer Organization and Architecture	II – A & B	100
			Data Structure Lab	II - B	100
		Even	.Net Framework Technologies	III-CSE	100
			Database Management Systems	II – CSE - B	100
			Python Programming	III - EEE	94
			Python Programming Laboratory	III - EEE	100

3.	2022-2023	Odd	Augmented Intelligence Led Managed Service - I	III – CSE A & B	96.88
			Professional Readiness for Innovation Employability and Entrepreneurship	IV – CSE A & B	100
			Problem Solving Techniques Laboratory	I – EEE	100
4	2022-2023	Even	Augmented Intelligence Led Managed Service - II	III – CSE A & B	100
			C Programming Laboratory	I CSE B	100
5	2023-2024	Odd	Cloud and Big Data Analytics	IV CSE B	100
			Problem Solving Techniques	I CSE B	94.5
			Problem Solving Techniques Lab	I CSE B	100
6	2023-2024	Even	Java Programming	IV CSE B	
			Java Programming Laboratory	IV CSE B	100
			Technical Presentation	IV CSE B	100
			Career Development Skills - II	II M.E	100
7	2024-2025	Odd	Information Storage Management	VII – CSE A & B	
			Python Programming	III – CSE - B	
			Python Programming Laboratory	III – CSE - B	

16. Additional Responsibilities:

a. College Level

Sl. No.	Details of Work	Work allotted by	Duration
-	-	-	-

c. Department Level

Sl. No.	Details of Work	Work allotted by	Duration
1.	Class Advisor	HoD	19.04.2021 to Till date
2.	Technical Trainer	HoD	19.04.2021 to Till date
3.	Mini Project Faculty Incharge	HoD	19.04.2021 to 30 th June 2021
4.	Department Examination Committee	HoD	01.07.2021 to Till Date
5.	Professional Society Activity,	HoD	01.07.2021 to Till Date
6.	DAC,PAC, Vision and Mission	HoD	01.07.2021 to Till Date
7.	ICT Academy, EDC incharge	HoD	01.07.2021 to Till Date
8	IIC – Innovation and Incubation	HoD	01.07.2021 to 01.07.2024
9.	UG , PG Main project incharge, UG Mini Project incharge	HoD	14.11.2022 to 15.03.2023

10.	PG Project Incharge	HoD	14.11.2022 to Till Date
11.	International Relations	HoD	12.05.2024 to Till Date

17. Self-Appraisal

Major Strengths:

1. Aware of Human values
2. Good Team Leader, Good Team Player & Good Listener
3. Work Sincerity and Time Management.

Major Weaknesses:

1. Expressive
2. Trust worthiness of nearby people

Signature with Name
(V.Shanmugavalli)