

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



**01. Name** : **Dr.K. Venkatesh Guru**  
**02. Designation** : Associate Professor  
**03. Date of Birth** : 05.10.1985  
**04. Date of Joining** : 06.06.2012

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.,	ICE	-	Anna University, Chennai	2012	2020	-
2.	M.Tech.,	Information Technology	K.S.Rangasamy College of Technology	Anna University, Coimbatore	2010	2012	I CLASS & 7.97%
3.	B.E.,	Computer Science and Engineering	K.S.R.College of Engineering	Anna University, Chennai	2007	2010	I CLASS & 71%

**05. Qualification** : M.Tech., Ph.D.,

**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	Assistant Professor	Teaching	06.06.2012	Till Date
<b>Total year of Experience(s)</b>				12 Years and 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.	Finding the shortest path in road networks with minimum pair	K.Venkatesh Guru	K.S.R.College of Engineering	10 <sup>th</sup> March 2019		

**International:**

	Title of the Research	Name of the	Publisher /	Month	DOI &	IF /
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SI. No.	paper	author(s)	Journal Name	& Year of publication	ISSN No.	SJR / SNIP / H index / K index
<b>Academic Year:2011-2012</b>						
1.	Energy Efficient Multi Hop clustering Protocol For Wireless Network	K.Venkatesh Guru	SSM College of Engineering	2012	-	-
2.	Energy Efficient Multi Hop clustering Protocol For Wireless Network	K.Venkatesh Guru	Vivekanandha College of Engineering for women	2012	-	-
<b>Academic Year:2019-2020</b>						
3.	Intangible Hand Gesture Based Human- Computer Interaction System	K.Venkatesh Guru	Nandha Engineering College, Erode	22 <sup>nd</sup> February 2020	-	-
4.	An Effective Model For Diabetes Prediction Based On Principal Components Analysis	K.Venkatesh Guru	Nandha Engineering College, Erode	22 <sup>nd</sup> February 2020	-	-

**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
<b>2011-2012</b>						
1.	Energy Efficient Multi Hop clustering Protocol For Wireless Network	K.Venkatesh Guru	NCRTIT	2012	-	-

**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
<b>2015-2016</b>						
1.	Active Low Energy Outlay Routing Algorithm For Wireless Ad Hoc Network	K.Venkatesh Guru	IJCCTS	2015	ISSN NO:2278-9723	
<b>2018 - 2019</b>						
2.	Finding the shortest path in road	K.Venkatesh Guru	RTICCT	2019	2278-0181	

	networks with minimum pair					
<b>2019 - 2020</b>						
3.	An Energy Efficient AODV-CS Protocol for Neuro Healthcare Applications in WBASN	K.Venkatesh Guru	Neuro Quantology	2019	nq.2019 .17.12.N Q19107	
4.	Intangible Hand Gesture Based Human-Computer Interaction System	Mr.K.Venkatesh Guru Anjali Singh K. Ezhil	International Journal of Research and Advanced Development (IJRAD)	June 2020	ISSN: 2581-4451	
5.	An Effective Model for Diabetes Prediction Based on Principal Components Analysis	S. Mohanapriya, F. Mercy Julliyana, S. Dinesh Kumar, K. Venkatesh Guru	International Journal of Research and Advanced Development (IJRAD)	June 2020	ISSN: 2581-4451	
<b>2020 - 2021</b>						
6.	Privacy Preserving Machine Learning in Various attacks on Security Threat models	M.Subbulakshmi, S.Sujitha, A.P.Vetrivel J.Nirmala Gandhi, K.Venkatesh Guru	Revistageintec. Net	April 2021	ISSN: 2237-0722	
<b>2022 - 2023</b>						
7.	An Efficient Machine learning method for Agriculture crop Recommendation using Deep Learning Techniques	Dr.V.Senthilkumar Dr.J.Vignesh Dr.K.Venkatesh Guru Mrs J Nirmala Gandhi	Journal For Basic Sciences/FangzhiGaoxiaoJichukexueXuebao	December 2022	ISSN:10 06-8341	-

**Summary:**

	National Level		International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
<b>At KSRCE</b>	-	1	-	-
<b>At others colleges</b>	1	-	7	3

**08. Details of Monographs, Books & Patents:**

Sl.No.	Title	Name of the author(s)	Publisher Name	Year of publication
<b>Patent</b>				
1.	A Novel Disinfection Machine for a	Dr.Chabi Gupta Dr.K.Venkatesh Guru Mrs.J.Nirmala Gandhi	Official Journal of the Patent Office	2021

	Portable Object	Jeya Daisy I S.Saravana Kumar		
2.	Design and Development of Low Cost Automated Breast Cancer Detection Public Equipment	Dr.P.Thirumurugan, K.Venkatesh Guru, S.Saranya, Dr.R.Rajagopal, Dr.R.Puviarasi,	Official Journal of the Patent Office	2020
3.	IOT based multi para patient monitoring device	Mrs. Nandhini, Dr. Sharada Prasad, Dr.Venkatesh Guru, Mrs. Nirmala Gandhi, Mr. Arulmurugan, Mrs. Gayathri	UK Patent Office	2024
<b>Book</b>				
1.	Fundamentals of Python Programming	Dr. V. Senthilkumar Dr. J. Vignesh Mrs. J. Nirmala Gandhi Dr. K. Venkatesh Guru	Scientific International Publishing House	2022
<b>Book Chapter</b>				
1.	"Fog Computing-Integrated ML-Based Framework and Solutions for Intelligent Systems: Digital Healthcare Applications"	R. Pitchai, K.Venkatesh Guru, J.Nirmala Gandhi, C. R. Komala, J. R. Dinesh Kumar, Sampath Boopathi	Technological Advancements in Data Processing for Next Generation Intelligent Systems	2024

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

SI. No.	Name of the programme	Organized by	Date & Duration
1.	Research initiatives in data mining for web intelligence	K.S.R. College of Engineering	22nd to 3rd July,2012
2.	Faculty Development Programme on Security Issues in Utility Computing	K.S.R.College of Engineering	17 <sup>th</sup> to 30 <sup>th</sup> May,2013
3.	Faculty Development Programme on Cloud Infrastructure and Services	ICTACT	28 <sup>th</sup> April to 3 <sup>rd</sup> May,2014
4.	Faculty Development Programme on DSBDA	ICTACT	15 to 19th April,2015
5.	TTT on Python Programming	INFOSYS	21 to 23 Jan,2016
6.	FDP on Cloud Computing	NPTEL	July – Dec 2017
7.	FDP on Wireless adhoc& Sensor Network	NPTEL	Jan – Jun 2018
8.	FDP on AWS-Cloud Master	K.S.R.College of Engineering	26 <sup>th</sup> March 2019
9.	FDP on Big Data Computing	NPTEL	Jan – Jun 2019

10.	IIT Bombay Spoken Tutorial Java Training	Zeal College of Engineering and Research	9 <sup>th</sup> April 2020 to 13 <sup>th</sup> April 2020
11.	IIT Bombay Spoken Tutorial FDP on HTML	B.S.Abdur Rahman Crescent Institute of Science and Technology	20 <sup>th</sup> April 2020 to 24 <sup>th</sup> April 2020
12.	FDP on Blended Teaching Techniques	Vel Tech MultiTech	25 <sup>th</sup> January 2021 to 7 <sup>th</sup> February 2021
13.	ATAL FDP on “Innovation in telemedicine in Rural Indian enabled by advancements in AI Medical Devices and IoT”	R.M.K. Engineering College	15 <sup>th</sup> to 19 <sup>th</sup> June 2021
14.	ATAL FDP on “Cyber Security”	Vivekanandha Education Society’s Institute of Technology	05 <sup>th</sup> to 9 <sup>th</sup> July 2021
15.	ATAL FDP on “Cyber Security and its Applications”	Sharad institute of Technology College of Engineering	12 <sup>th</sup> to 16 <sup>th</sup> July 2021
16.	ATAL FDP on “Recent Trends in Artificial Neural Networks”	J.K.K. Nataraja College of Arts and Science	21 <sup>st</sup> to 26 <sup>th</sup> September 2021
17.	FDP on Big Data Computing	NPTEL	Aug – Oct 2021
18.	FDP on Amazon Web Services	Nehru Institute of Technology	22 <sup>nd</sup> to 27 <sup>th</sup> of August 2022
19.	Affective Computing	NPTEL	Jan – Apr 2023
20.	Deep Learning for NLP and Computer Vision	Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR	10 to 28 <sup>th</sup> of July 3, 2023
21.	Cyber Security and Privacy	NPTEL	July – Oct 2023
22.	Introduction to Internet of Things	NPTEL	Jan – Mar 2024

#### 10. Details of Workshops/ Seminars Attended:

SI.No	Name of the Programme	Organized by	Date & Duration
1.	Emerging Trends In Mobile Ad Hoc Network	K.S.Rangasamy College of Technology	19th and 20 <sup>th</sup> April 2011
2.	An Intelligent Based Wireless Ad Hoc And Sensor Networks And its Application with Ocean Technology	K.S.Rangasamy College of Technology	19th and 20th August 2011
3.	A wireless sensor network for the surveillance of nuclear radiation	K.S.R.College of Engineering	18th and 19th June, 2012
4.	Hands on Training on NS2	Kongu Engineering College	19 <sup>th</sup> to 20 <sup>th</sup> March, 2013
5.	ISTE Workshop on DBMS	VidyaVikas College of Engineering and Technology	21 <sup>st</sup> to 31 <sup>st</sup> May, 2013
6.	NPTEL Workshop	Arunai College of Engineering	13 <sup>th</sup> July, 2013

7.	National Seminar on Challenges and Strategies in Research	SNS College of Technology	27 <sup>th</sup> September,2013
8.	A wireless sensor network for the surveillance of nuclear radiation	K.S.RangasamyCollege of Technology	5 <sup>th</sup> October,2013
9.	One Day Seminar on Writing Effective Research Paper(s) and Thesis	K.S.R.College of Engineering	19 <sup>th</sup> July 2014
10.	One Day Workshop on NS2	Hindustan College of Engineering and Technology	11 <sup>th</sup> Nov 2014
11.	Patent Filling in India and Other Countries	K.S.R.College of Engineering	08 <sup>th</sup> August,2016
12.	Impact of green computing for minimizing e-waste on human health	K.S.R.College of Engineering	03 <sup>rd</sup> & 04 <sup>th</sup> July 2018
13.	Workshop on Robotics	Central University of Kerala, ATAL	1 <sup>st</sup> November 2019 to 5 <sup>th</sup> November 2019
14.	Webinar on Skycampus Digital Knowledge Series	ICT Academy	20 <sup>th</sup> April 2020 to 29 <sup>th</sup> May 2020

#### 11. Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl.No	Name of the programme	Sponsored by	Acted as	Duration	Convener
<b>Academic Year: 2021 - 2022</b>					
1.	Deep Learning Techniques - A Practical Perspective	-	Coordinator	6 Days (25 <sup>th</sup> to 30 <sup>th</sup> Oct 2021)	Dr.A.Rajiv Kannan Dr.N.S.Nithya
<b>Academic Year: 2020 - 2021</b>					
1.	Intelligent Objects & Technologies for Building Applications on Data Science with Machine Learning Techniques using Internet of Things	AICTE	Coordinator	13 Days (08.03.2021 to 20.03.2021)	Dr.A.Rajiv Kannan Dr.V.Sharmila
2.	Cyber Security Awareness Training Program for Women Welfare	ICSSR	Coordinator	Two Day (27.04.2021 & 28.04.2021)	Dr.A.Rajiv Kannan Dr.N.S.Nithya
<b>Academic Year: 2023 - 2024</b>					
1.	Cyber Security Awareness	-	Convener	One Day (21.08.2023)	Dr.V.Sharmila Dr.K.Venkatesh Guru

## 12. Consultancy Projects:

Sl. No.	Year	Title of the Project	Funding Agency	Amount (in Rs.)
1	2023-2024	TNPSC Jailor	Tata Consultancy Services Limited, Mumbai	51,035
2		NPTTEL Exam	Tata Consultancy Services Limited, Mumbai	75,965
Total Amount				1,27,000
1.	2022-2023	PG NEET Exam	Tata Consultancy Services Limited, Mumbai	21,374
2		TNPSC DEO	Tata Consultancy Services Limited, Mumbai	35,600
3		MRB Exam	NSEIT	85,860
4		TNPSC ACF	Tata Consultancy Services Limited, Mumbai	35,386
5		TNPSC AGRI	Tata Consultancy Services Limited, Mumbai	35,852
6		UGC NET	NSEIT	25,000
7		TNPSC JAILOR	Tata Consultancy Services Limited, Mumbai	46,535
Total Amount				2,85,607
1	2021 – 2022	UGC NET	APTECH	1,01,430
2		NIT Trichy Exam	Edutech Solutions PVT. Ltd.	63,200
Total Amount				1,64,630
1	2020 – 2021	AIIMS Exam	Tata Consultancy Services Limited, Mumbai	35,132
2		TNPSCB Exam	NSEIT	77,190
3		DGT Exam	Aptech	87,600
Total Amount				1,99,922
1	2019 - 2020	LIC EXAM	Tata Consultancy Services Limited, Mumbai & IIT Madras	7,204
2		ICAR EXAM	Tata Consultancy Services Limited, Mumbai & IIT Madras	43,580
3		JIPMER Exam	Tata Consultancy Services Limited, Mumbai & IIT Madras	71,901
Total Amount				0
1	2018-2019	GATE Online Exam	Tata Consultancy Services Limited, Mumbai & IIT Madras	1,59,750
2		PG NEET and TCS BPS Online Exam	Tata Consultancy Services Limited, Mumbai.	58,300
3		TCS Open Ignite Exam	Tata Consultancy Services Limited, Mumbai	5,800
4		UGC –NET Exam	Tata Consultancy Services	20,100

		Limited, Mumbai.	
5		NPTEL Exam	Tata Consultancy Services Limited, Mumbai
			20,000
			Total Amount
			2,63,950

**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 Beginners	Sri Shanmuga College of Engineering and Technology	Resource Person	18.02.2022
2.	9th Annual Polytechnic Faculty Convention of ISTE Tamil Nadu Section	K.S.R. Polytechnic College	Judge	09.10.2022
3.	Veetuku Oru Vinyani	Velammal Bodhi Campus	Jury	20.07.2023
4.	First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI 2023)	K.S.R. College of Engineering	Session Chair	19 & 20.10.2023
5.	International Conference on Emerging Materials and Technology(ICMET 2K24)	K.S.R. College of Engineering	Session Chair	21 & 22.02.2024

**14. Area of Interest** : MANET, VANET, Cloud Computing

**15. Professional Membership** : MISTE

**16. Details of the Subjects Handled (in KSRCE):**

S.No	Academic Year	Semesters	Name of the Subject	Year & Class of students	% of Pass
1.	2012-2013	Odd	Software Quality Assurance	II M.E(CSE)	88%
		Even	Enterprise Resource Planning	IV B.E(CSE)	98%
			Advanced Operating Systems	I M.E(CSE)	94%
2.	2013-2014	Odd	Total Quality Management	IV B.E(CSE)	89%
			Network Security	II M.E(CSE)	94%
		Even	Open source Tools and Components	IV B.E(CSE)	90%
			Mobile Computing	I M.E(CSE)	100%
3.	2014-2015	Odd	Fundamentals of Computing and Programming	I B.E(EEE)	92%
		Even	Wireless Communication Networks	III B.E(CSE)	89%
4.	2015-2016	Odd	Professional Ethics	IV B.E(CSE)	100%
		Even	Real Time System	III B.E(CSE)	100%



5.	2016 - 2017	Odd	Mainframe Technologies	III B.E(CSE)	100%
		Even	Agile Software Development	III B.E(CSE)	100%
6.	2017 - 2018	Odd	Mainframe Technologies	III B.E(CSE)	100%
		Even	Agile Software Development	III B.E(CSE)	100%
7.	2018 - 2019	Odd	Computer Graphics	III B.E(CSE)	87%
		Even	Agile Software Development	III B.E(CSE)	87%
8.	2019 - 2020	Odd	Computer Networks	III B.E(ECE)	96%
			Cloud Computing	I M.E.(CSE)	100%
		Even	Entrepreneurship Development	IV B.E(CSE)	100%
			Cloud Infrastructures and Services	III B.E(CSE)	100%
9.	2020 - 2021	Odd	Entrepreneurship Development	III B.E(CSE)	98%
			Professional Ethics	IV B.E(CSE)	100%
		Even	Entrepreneurship Development	IV B.E(CSE)	100%
			Data Science	I M.E.(CSE)	100%
10.	2021 – 2022	Odd	Big Data and Cloud Computing	IV B.E.(CSE)	98%
			Data Science	I M.E.(CSE)	100%
		Even	Mobile Computing	III B.E.(CSE)	94%
11.	2022 – 2023	Odd	Computer Networks	III B.E.(CSE)	96%
		Even	Universal Human Values and Understanding Harmony	III B.E.(CSE)	97%
12.	2023 – 2024	Odd	Entrepreneurship Development	III B.E.(CSE)	95%
		Even	Universal Human Values and Understanding Harmony	III B.E.(CSE)	

## 17. Additional Responsibilities:

### Department Level

S. No.	Details of Work	Work allotted by	Duration
1.	Department Library In charge	HOD	01.08.2012 – 01.08.2013
2.	Class Advisor	HOD	01.08.2012 – Till date
3.	Asst. Department COE	HOD	01.08.2013 – 01.08.2014
4.	Department Placement & Training Coordinator	HOD	01.08.2014 – 30.06.2021
5.	Asst. System Manager	HoD	02.01.2019 – 30.06.2024
6.	Alumni In charge	HOD	01.6.2019 – 30.06.2022
7.	Admission In charge	HOD	01.06.2020 – Till date
8.	Faculty Progression Team	HoD	01.07.2022 - Till date

## **18. Self-Appraisal**

Major Strengths:    1.Confidence            2.Perfection            3.Friendliness

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

**Dr.K.Venkatesh Guru**