Sri Sai Ram Engineering College

Department Of Humanities And Sciences

Name : Dr. V. R. Kanagavalli	



Designation	Professor		
Qualification	B. Sc., M. C. A., M. Phil., Ph. D		
Area of Specialization	Knowledge-based Systems		
Experience	Teaching: UG: 13 yrs		
	PG: 22 yrs		
	Industry: NIL		
No. of Workshop / Conferences / FDP	Conference: 14		
attended	FDP: More than 50		
	Workshop: More than 50		
Publication:	Journal		
	National : 3		
	International :6		
	Conference		

	National : 7
	International: 8
Research Guidance:	NIL
General:	Internal Exam Cell Coordinator
	2. PAC Member of CoE office during the
	academic year 2021-2022
	3. SCOPE member in Internal Exam Cell 2022-2023
	4. NBA coordinator of the department and
	played a key role during the NBA
	accreditation of the department during the
	year 2009.
	5. NAAC Criteria 1 Coordinator
	6. Talent Enabler for the Department of
	Humanities and Sciences
	7. Responsible for updating mandatory
	disclosure of the institution on the college website
	8. Member of the Academic Audit
	Committee- 2020, 2021, 2022
	9. Member of IQAC - 2020, 2021
	10. Member of PAC of Humanities and
	Science for the academic year 2022-2023
	11. Member of DAB of Humanities and
	Science for the academic year 2022-2023
	12. AQAR- Criteria 1 - Team Lead
	13. Guided More than 50 PG projects
	14. Resource person for FDP- 2, Seminar- 2,
	Workshop – 2
Staff Achievements	1. Awarded as Best Teacher by Lions Club of

Madras Metropolitan South Zone 3, Region 3, Dist:324 A

- 2. Certified reviewer for the Journal Computers And Electrical Engineering, Elsevier publications.
- 3. Was a Resource Person for the session "Backtracking" in the two days Staff Development Programme on "Algorithms-Design, Analysis, and Applications", 25-26 March, 2009
- 4. Organizing Committee member for a two-day "Refresher Programme for Teachers of Computer Science", organized by Chinmaya Vidyalayas and Department of Computer Applications, Sri Sai Ram Engineering College, Chennai held on 29th and 30th September 2008 at Chinmaya Vidyalaya, Taylor's Road, Kilpauk, Chennai.
- 5. Organizing Committee member for the International Conference ICICT09 held from 16th, 17th, and 18th December 2009 at SSEC.
- 6. **Coordinator** for the SDP on mobile computing conducted on 13th February 2013.
- 7. **Coordinator** for the National Conference on Recent Trends in Computing and Communications (NCRTCC'16) conducted on 8th April 2016.

- 8. **Student Advisor** for the technical level symposium Infogeddon-2k16.
- Inaugurated the association activities of PG & Research Department of Computer Science, Quaid-e-Millath College for Women (A), and presented a lecture on "Recent Research Trends in AI" on 21st September 2017.
- 10. Resource person for the Faculty Development and Training Program on "Compiler Design" conducted by the Department of Computer Science & Engineering, Sri Sai Ram Institute of Technology from 4.12.2017 to 11.12.2017. Presented a lecture on "Issues in Design of a Code Generator A Simple Code Generator Algorithm" on 11/12/2017.
- 11. Cleared TAMILNADU STATE
 ELIGIBILITY TEST (TNSET 2016)
 Reg. No. 1300616. Total Marks obtained
 240/350
- 12. Talent Enabler for the department
- 13. Completed 91 courses in SairamCoursera.
- 14. Member of Syllabus Sub Committee for framing the Curricula and Syllabi for Master of Computer Applications (2 years) under R-2017 for the affiliated Institutions of Anna University, Chennai under the Faculty of Information and Communication Engineering in "with the Choice Based"

Credit System (CBCS).

- 15. Completed online Workshop on Universal Human Values Theme "Inculcating Universal Human Values in Technical Education" organized by AICTE- National Coordination Committee for Induction Program from 5th October 2020 to 9th October 2020.
- 16. Reviewer for the conference 4th International Conference on Computing and Communication Technologies (ICCCT 21) organized by the Department of Information Technology, SSEC (16/12/2021 to 17/12/2021)
- 17. Completed AICTE NITTT- Module 5 -Technology Enabled Learning and LifelongSelf Learning during November 2021.
- 18. Submitted proposals for TNSCST- Smart

 App for Fuel Tracking, Green India

 Awareness App during the year 2020-2021

Educational Qualification:

Categor y	Name of the Degree	Specialization	Year of Passin g	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B. Sc (Maths)	Mathematics	1995	Quaid-e- Millath College, Chennai	University of Madras	70.58%	I
PG	MCA	Computer Applications	1998	Bharathida san	Bharathidas an	64.53%	I

				University	University		
PG	M. Phil	Computer Science	2006	Bharathida san University	Bharathidas an University	75.2%	I
Ph.D.	Ph. D	Knowledge-Based Systems - Clustering Text Documents With Uncertain Spatial Reference Using Fuzzy Logic	2016	Sathyabam a University	Sathyabama University	-	-

Academic Experience (As of 1St December 2024)

Name of the College	Designation	Joining Date	Relieving		Experie	nce
rume of the conege	Designation	Designation Johning Date		Years	Months	Days
Sri Sai Ram	Professor – H&S Department	1-6-2019	Till date	5	5	0
Engineering College	Associate Professor – H&S Department	Since 1st June 2018	31-5-2019	1	-	0
	Associate Professor – MCA Department	From 1st September' 13	31 st May '2018	4	9	-
	Assistant Professor - MCA Department	1 st Aug' 08	31 st August' 13	5	1	-
	Senior Lecturer	1 st Sep' 2005	31st July 08	2	11	-
	Lecturer – MCA Department	11 th July' 2001	31st August 05	4	1	19
Arulmigu Meenakshi Amman College, Vadamavandal, Near	Lecturer – MCA Department	12 th Aug. 1998	10 th July 2001	2	10	28

PUBLICATIONS

Conferences

- 1. Presented a paper in the **National Conference** on "Emerging Trends in Information and Communication Technology- ETICT 09" organized by Saveetha Engineering College, Chennai on 11th March 2009.
- 2. "Applications of Data Mining in Marketing" in the National Conference on "Emerging Trends in Business Strategies and Information systems " organized by Thiagarajar School of Management, Madurai.
- 3. **International Conference** on "Impact of Economic Crisis in Global Business Scenario"-24th & 25th Sept'09 --- Presented a paper titled "Efficient Strategic Decision Making using web mining techniques"
- 4. Presented a paper titled "A Study on Application of Spatial Data Mining Techniques for Rural Progress" in the **International Conference** ICICT'09 (16th 18th Dec 2009)held at Sri Sai Ram Engineering College.
- 5. **National Conference** on Mobile and Pervasive Computing, January 28-29' 2010 at TIFAC-CORE, Velammal Engineering College -- Presented a paper titled "A Study on the Application of Spatial Data mining techniques in the field of Economic Geography"
- **6. International Conference** on Recent Advances in Space Technology and Climate Change, RST&C'10 Organized by Sathyabama University, IEEE- Presented a paper on "Graduated Granulation of Spatial information for efficient effective Business Activity Monitoring".
- **7. National Conference** on Recent Trends in Data Mining and Distributed System NCTD2S-2011 presented a paper on "Detecting and resolving spatial ambiguity in the text using named entity extraction and self-learning fuzzy logic techniques" on 16th September 2011.
- 8. **National Conference** on Future Computing organized by Pondicherry University, Karaikal Campus on 16th February 2013- Presented a paper on "A Fuzzy Logic-based Method for Efficient Retrieval of Vague and Uncertain Spatial Expressions in Text

- Exploiting the Granulation of the Spatial Event Queries" -Published in the journal IJCA ISSN: 0975 8887 PP. 21-25
- 9. IEEE Sponsored International Conference on Information, Communication and Embedded Systems ICICES2014, 27th and 28th February 2014 organized S.A Engineering College in Association with IEEE, Madras Section, India Presented a paper on "A Fuzzy ERM for Extracting and Modeling Uncertain Spatial Expressions in Text "-published in IEEE Xplore Digital. DOI: 10.1109/ICICES.2014.7033770, Date of Conference: 27-28 Feb. 2014, Date Added to IEEE Xplore: 09 February 2015, ISBN Information: Electronic ISBN: 978-1-4799-3834-6, CD-ROM ISBN: 978-1-4799-3835-3, Print on Demand(PoD) ISBN: 978-1-4799-3698-4
- 10. V.R. Kanagavalli and K. Raja (2014), "Handling Fuzzy Spatial References in Text using Fuzzy Logic" Sixth International Conference on Advanced Computing (IEEE Sponsored) 2014 –IcoAC'14 17th -19th December 2014 organized by Department Of Computer Technology, MIT Campus, Anna University, Chromepet, Chennai -44.
- 11. V.R. Kanagavalli and K. Raja (2015), A Fuzzy Methodology for Clustering Text Documents with Uncertain Spatial References, 2nd International Conference on Computational Models, Cyber Security & Computational Intelligence (ICC³), 17, 18 & 19 December 2015 organized by Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore.
- 12. V. R. Kanagavalli and G. Maheeja (2016). "A Study On The Usage Of Data Structures In Information Retrieval", National Conference on Innovations in communication and computing technologies (NCICCT16), 12th February 2016 organized by Department of CSE and IT in association with CSI, Alpha College of Engineering, Thirumazhisai, Chennai.
- 13. Raja Kothandaraman, Kanagavalli V R, Nizar Banu PK, and Kannan K. An improved method for resolving uncertain spatial references in text documents. The second International Conference of Computing and Informatics 2019 (ICCI-2019), April 16 17, 2019, Benha Egypt.
- 14. S. Pavithra, B. Aarthi, V. R. Kanagavalli, "College Bus Locator and Tracker (CBLT)", 2nd International e-Conference on Information, Communication and NetworkingeICICN-2021, Department of Information Technology, Eswari Engineering College, April 9-10, 2021.

15. V. R. Kanagavalli, Madura S, Janani S, "Smart Home Security System with Integrated Motion Detection and Facial Recognition", International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG),S. A. Engineering College, 6-8 November 2024

Journal Publications:

- 1. "Applications of Data Mining in Marketing", SSEC Tech Journal, 7th Edition.
- 2. "Extracting and Modeling Multi-Granular Uncertain Spatial Expressions in Text", **Journal of Computer Applications (JCA),** Volume VI, Issue 2, 2013 pp. 22-27.
- Handling Uncertain and Ambiguous Spatial Expressions in Text Using Fuzzy Logic, Indian Journal of Computer Science and Engineering, Vol. 4 No.4 Aug-Sep 2013 pp.293-296
- 4. Extracting Multi Granular Implicit Spatial References in Event Descriptions, International Journal of Information Sciences and Application, Volume 5, Number 1 (2013), pp. 21-32.
- 5. "Extracting and Modeling Ambiguous and Uncertain Spatial Expressions in Text", **Pensee Journal, (Annexure-II),** Vol.75 Issue.11, Nov 2013 PP.19-28
- 6. V. R. Kanagavalli and K. Raja. "A Fuzzy Approach to Handle text documents with uncertain Spatial References" in International Journal of Applied Engineering Research ISSN 0973-4562, (Annexure-II), Volume 9, Number 24 (2014) PP. 23853-23866.
- 7. V. R. Kanagavalli and Divya, "XML Data Processing Approach for Automatic Identification of Cardiac Abnormalities In ECG" in Elysium journal of engineering Research & management, Volume 2, Issue 3, June 2015 P-ISSN: 2347-4408 E-ISSN: 2347-4734
- 8. Raja K. & Kanagavalli V. R. & Nizar Banu P. K. & Kannan K., 2020. "An Efficient Methodology for Resolving Uncertain Spatial References in Text Documents," International Journal of Service Science, Management, Engineering, and Technology (IJSSMET), IGI Global, vol. 11(3), pages 1-17, July 2020

9. Meenakshi, A., Ruth, J.A., Kanagavalli, V.R. et al. Automatic classification of white blood cells using deep features based convolutional neural networks. Multimed Tools Appl (April 2022). https://doi.org/10.1007/s11042-022-12539-2

Books Authored:

Was a co-author for the text book prepared by the Department of Computer Applications
 TECHTIPS

Book Chapters:

- "A Survey of Cryptographic Data Protection and Machine Learning" in the book Machine Learning and Cryptographic Solutions for Data Protection and Network Security published by IGI Global (DOI: 10.4018/979-8-3693-4159-9.ch001)
- "I-Chat" An interview on the cyber security issues in the book, "Think before you Click"- Dr. K. Rama Subramaniam and CA K. R. Praveena, Published by Prime5c Pvt Ltd., ISBN:978-81-957264-1-7, January 2023
- "A Fuzzy Methodology for Clustering Text Documents with Uncertain Spatial References", Chapter 13, Computational Intelligence, Cyber Security and Computational Model, published by Springer. ISBN: 9789811002519-9789811002502. DOI: 10.1007/978-981-10-02519_13.

Project Proposals Submitted:

S.No	Project Title	Agency Submitted	Date	Members
1	Automated Inspection and Maintenance of Overhead Water Tanks (AIM-OWT)	UBA-Atma Nirbhar	2/11/2020	Dr. A. Meenakabilan Dr. V. R. Kanagavalli
2	Green India Awareness App (CGIAA)	TNSCST (tamil Nadu State Council for Science and Technology)		Mr. R. Subash chandran Mr. Umanathan. S Dr. V. R. Kanagavalli
3	Smart App for Fuel Tracking (SAFFT)	TNSCST (tamil Nadu State Council for Science and Technology)		Mr. Balaji R Mr. Gautham Krishnan Dr. V. R. Kanagavalli

Invited Talks and Guest Lectures

- 1. Gave a motivational session on "Python Programming" for Ology Gritty Girl Coder Contest at Velammal Bodhi Campus, Kolappakam, Chennai -118 on 2nd March 2023
- 2. Acted as a Judge for Intershcool Project Competition Tech Srujonatsav conducted by Chinmaya Vidyalaya, Virugambakkam on 7/1/2023 and 11/1/2023
- 3. Delivered a Guest Lecture on "Artificial Intelligence In Real Time" on 9th May 2022 organized by the Department of Computer Science and Department of Computer Applications, Apollo Arts and Science College, North Chennai.
- 4. Presented a lecture on "Issues in Design of a Code Generator A Simple Code Generator Algorithm" on 11/12/2017 as a part of Faculty Development and Training Program on "Compiler Design" conducted by the department of Computer Science & Engineering, Sri Sai Ram Institute of Technology during 4.12.2017 to 11.12.2017.
- 5. Presented a Guest Lecture on "Recent Research Trends in Artificial Intelligence" during the DigiClub association inauguration of PG & Research Department of Computer Science, Quaid-e-Millath College for Women(A) on 21st September 2017.

- 6. Presented a Guest Lecture on Spatial Databases and Temporal Databases at Alpha Engineering College, Thirumazhisai, Chennai, on 22/05/2013.
- 7. Was a Resource Person for the session "Backtracking" in the two days Staff Development Programme on "Algorithms- Design, Analysis and Applications", 25-26 March 2009 conducted by the Department of Computer Applications, Sri Sai Ram Engineering College
- 8. Guest Lecture on the topic "Human Thinking" for a session during a two-day "Refresher Programme for Teachers of Computer Science", organized by Chinmaya Vidyalayas and Department of Computer Applications, Sri Sai Ram Engineering College, Chennai held on 29th and 30th September 2008

Reviewer for Conferences and Journals:

- Reviewer for Second International Conference on Data Science and Information System (ICDSIS -2024)organized by Malnad College of Engineering, Hassan during May 17-18, 2024 in association with IEEE Bangalore Section.
- Reviewer for IEEE Technically co-sponsored International Conference on Communication, Computing and Internet of Things (IC3IoT-2024) organized by Department of Electronics and Communication Engineering, Sri Sai Ram Engineering College held on 17th and 18th April 2024.
- 3. Reviewer for IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized by Nitte Meenakshi Institute of Technology, Bengaluru, INDIA during 1st and 2nd, September 2023 in association with IEEE Bangalore Section.
- 4. Reviewer for the IEEE International Conference on Data Science and Network Security (ICDSNS) in association with IEEE Bangalore Section organized by Kalpataru Institute of Technology, Tiptur during 28 and 29 July 2023.
- 5. Reviewer for the International Conference on Applied Intelligence and Sustainable Computing (ICAISC-2023) organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad during 16th-17th June, 2023
- 6. Reviewer for IEEE Technically Sponsored First International Conference on Computational Science and Technology 2022 (ICCST 2022) Sri Sai Ram Engineering College, in association with IEEE on 9th-11th November, 2022.

- 7. Reviewer for International conference on Data Science and Information Systems ICDSIS 2022 Malnad College of Engineering, Hassan, India in association with IEEE Bangalore Section and IEEE Mysore Subsection on 29th-30th July, 2022.
- 8. Reviewer for the **4th International Conference on Computing and Communication Technologies (ICCCT 21)** organized by the Department of Information Technology,
 SSEC (16/12/2021 to 17/12/2021)
- **9.** Certified reviewer for the Journal *Computers And Electrical Engineering*, Elsevier publications.

AICTE Faculty Code:	1-499329213
AICTE INSTITUTION CODE:	1-2028941
Anna University Faculty Code:	4125181
Vidyanjali Volunteer id:	202318737
ABC id :	206374716033
Sairam IRINS Url :	https://sairam.irins.org/profile/181845
Scout Id:	3383368

Online Certifications

Online Course On Cognitive Psychology From Concordia College, New York At Alpha
 Arts And Science College 2012

Microsoft:

1. AZ-900: Microsoft Azure Fundamentals, Registration ID: 415708511, Exam reference #: 40745222, Date: February 22, 2022

AICTE UHV CERTIFICATIONS

1. Completed UHV I "Inculcating Universal Human Values in Technical Education" F.No AICTE/FDP-SI/OnlineWorkshop/201/41029- iN (5-9 October 2020)

NPTEL Milestones (https://nptel.ac.in/nptelstars)

- 1. NPTEL Domain Scholar- Data Science April 2024
- 2. NPTEL Discipline Star, Computer Science and Engineering, Jan-April 2023
- 3. NPTEL Motivated Learner, Jul-Dec 2023

NPTEL Courses Completed

- 1. <u>Educational Leadership</u> NPTEL 19 MG35S11183734 -Jul-Sept 2019 (8 Weeks Course)- Elite Silver
- 2. C Programming and Assembly Language NPTEL 19CS44S21183757-Jul-Aug 2019 (4 Weeks Course)- Elite Silver
- 3. Data Science for Engineers-NPTEL 22CS28S43312344--JAN-MAR-2022 (8 Weeks Course) Elite
- 4. Programming, Data Structures and Algorithms using Python, 22CS70S13271068, (2022), (8 Weeks course), Sept 2022, Elite+Silver
- 5. Introduction to Machine Learning, 22CS73S34460028, (2022), (12 Weeks course), Oct 2022
- 6. Computer Architecture and Organization, 22CS88S14461722, (2022), (12 Weeks course), Oct 2022- Elite
- 7. Deep Learning, 23CS56S63360604, (2023),(12 Weeks course), April 2023- Elite

- 8. Artificial Intelligence, Search Methods for Problem Solving NPTEL23CS92S533505442 (2023),(12 Weeks Course)- Jul-Oct 2023
- 9. Learning Analytics Tools NPTEL23GE42S633506093 (2023), (12 Weeks Course)-Jul-Oct 2023- Elite
- 10. Effective Engineering Teaching in Practice NPTEL24GE13S544102129(March 2024) (4 Weeks)- Elite Silver- Topper (Top 5%)
- 11. Artificial Intelligence- Knowledge Representation and Reasoning-NPTEL24CS14S1053405264(April 2024) (12 Weeks) Successfully completed
- 12. Natural Language Processing NPTEL24CS39S1253401003 (April 2024) (12 Weeks) Elite
- 13. Teaching and Learning in General Programs NPTEL24GE38S233107570 (Jul-August 2024 -4 Weeks -Elite Silver)
- 14. Accreditation and outcome based learning NPTEL24GE66S1052506568 (Aug-October 2024 Elite Silver)
- 15. Ethics in Engineering Practice NPTEL24MG131S852506766 (Aug-October 2024 Elite Silver)

Skillrack Courses

- 1. C Programming Course 18 Dec 2019- www.skillrack.com/cert/100376/QAW
- 2. SOL Basics (Premium)-27-Dec 2019-www.skillrack.com/cert/102370/UNG

Simplilearn

- 1. Introduction to Data Analytics- 9th April 2020-Certificate code: 1756526
- 2. Introduction to Artificial Intelligence-16th April 2020 Certificate Code: 1767128

Udemy

1. Python for Data analysis and Visualization- Certificate no: UC-LOX9XYY7 Certificate url: ude.my/UC-LOX9XYY7

AICTE - NITTT:

- Module 5 Technology Enabled Learning and Lifelong Self Learning during November 2021. Reg. No 20211115247- 84.3%
- 2. Module 1 Orientation towards Technical Education and Curriculum Aspects July 2022- 87.8%
- 3. Module 3-Communication skills, Modes and Knowledge Dissemination- July 2022-84.7%
- 4. Module 6 Student Assessment and Evaluation July 2022- 87.1%
- 5. Module 2 Professional Ethics and Sustainability-February 2023-87,.9

- 6. Module 4-Instructional Planning and Delivery-February 2023- 87.5%
- 7. Module 7- Creative Problem Solving, Innovation and Meaningful Research and Development-February 2023-83.2%
- 8. Module 8- Institutional Management and Administrative Procedures- February 2023-72.4%

Coursera:

S.			
No	Course Name	University	Date
1	Programming Fundamentals	Duke University	9/5/2020
	Data Collection and Processing with		
2	Python	University of Michigan	07/06/2020
3	A Crash Course in Data Science	Johns Hopkins University	07/06/2020
4	Python Basics	University of Michigan	24/5/2020
5	Python Functions, Files and Directories	University of Michigan	13/6/2020
6	Diabetes- the essential facts	University of Copenhagen	27/6/2020
		National Research	
		University, Higher school	
7	Introduction to Deep learning	of Economics	30/6/2020
8	Python Classes and Inheritance	University of Michigan	27/7/2020
	Effective Problem Solving and Decision		
9	Making	University of California	14/7/2020
	Beyond the Sustainable Development		
	Goals (SDGs): Addressing Sustainability		
10	and Development	University of Michigan	2/7/2020
11	Data Scientist's Toolbox	Johns Hopkins University	21.09.2020
12	Positive psychology	University of North Carolina at Chapel Hill	28.09.2020
13	Introduction to psychology	Yale University	28.09.2020
14	A Life of Happiness and Fulfillment	Indian School of Business	29.09.2020

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES

S. No	Name of the Professional body	Membership Code	Nature of Membership
1	The Indian Society For Technical Education	LM35703	LIFE MEMBER
2	LiveDNA	91.12366	LIFE MEMBER
3	ORCID	0000-0003-0757-5547	LIFE MEMBER
4	Scopus Author ID	37035821200	LIFE MEMBER
6	ResearcherID (web of Science)	AAB-4660-2022	LIFE MEMBER
7	IEEE	98101235- Senior Member	SENIOR MEMBER- ANNUAL RENEWAL Society Memberships Systems, Man and Cybernetics Educational Society Electronics Packaging Society Reliability Society Vehicular Technology Society

Permanent Address: E118, 15th Street, West Kamaraj Nagar, Thiruvanmiyur, Chennai - 41

Mobile: 6381087140

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37035821200

Dr. V. R. Kanagavalli Professor H&S Department