


Sri Sai Ram Engineering College

Department Of Humanities And Sciences

<i>Name : Dr. V. R. Kanagavalli</i>	
<i>Designation</i>	<i>Professor</i>
<i>Qualification</i>	<i>B. Sc., M. C. A., M. Phil., Ph. D</i>
<i>Area of Specialisation</i>	<i>Knowledge-based Systems</i>
<i>Experience</i>	<i>Teaching: UG: 15 yrs</i> <i>PG: 22 yrs</i>
	<i>Industry: NIL</i>
<i>No. of Workshop / Conferences / FDP attended</i>	<i>Conference: 14</i> <i>FDP: more than 50</i> <i>Workshop: More than 50</i>
<i>Publication :</i>	<i>Journal</i> <i>National : 3</i> <i>International :6</i>

	<p><i>Conference</i></p> <p><i>National : 7</i></p> <p><i>International : 8</i></p>
<i>Research Guidance :</i>	<i>NIL</i>
<i>General :</i>	<ol style="list-style-type: none"> <i>1. First Year Exam Cell Coordinator</i> <i>2. PAC Member of CoE office</i> <i>3. SCOPE member in Internal Exam Cell 2022-2023</i> <i>4. NBA coordinator of the department and played a key role during the NBA accreditation of the department during the year 2009.</i> <i>5. NAAC Criteria 1 Coordinator</i> <i>6. Talent Enabler for the Department of Humanities and Sciences</i> <i>7. Responsible for updating mandatory disclosure of the institution on the college website</i> <i>8. Member of the Academic Audit Committee</i> <i>9. Member of IQAC</i> <i>10. Responsible for updating Criteria 1 details in AQAR</i> <i>11. Guided More than 50 PG projects</i> <i>12. Resource person for FDP- 2, Seminar- 2, Workshop – 2</i>

<p><i>Staff Achievements</i></p>	<ol style="list-style-type: none"> 1. <i>Awarded as Best Teacher by Lions Club of Madras Metropolitan South Zone 3, Region 3, Dist:324 A</i> 2. Certified reviewer for the Journal Computers And Electrical Engineering, Elsevier publications. 3. <i>Was a Resource Person for the session “Backtracking” in the two days Staff Development Programme on “Algorithms - Design, Analysis, and Applications” in the academic year 2006</i> 4. <i>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.</i> 5. <i>Organizing Committee member for the International Conference ICICT09 held from 16th, 17th, and 18th December 2009 at SSEC.</i> 6. Coordinator <i>for the SDP on mobile computing conducted on 13th February 2013.</i> 7. Coordinator <i>for the National Conference on Recent Trends in Computing and Communications (NCRTCC’16) conducted on 8th April 2016.</i> 8. Student Advisor <i>for the technical level symposium Infogeddon-2k16.</i> 9. <i>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.</i> 10. <i>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</i>
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	<p>a Code Generator - A Simple Code Generator Algorithm” on 11/12/2017.</p> <p>11. Cleared TAMILNADU STATE ELIGIBILITY TEST (TNSET 2016) Reg. No. 1300616. Total Marks obtained 240/350</p> <p>12. Talent Enabler for the department</p> <p>13. Completed 91 courses in Sairam Coursera.</p> <p><i>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).</i></p>
	<p><i>15. Completed AICTE-NITTTR- Module 5 - Technology Enabled Learning and Lifelong Self Learning during November 2021.</i></p> <p><i>16. Submitted proposals for TNSCST- Smart App for Fuel Tracking, Green India Awareness App during the year 2020-2021</i></p>

Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	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	Bharathi dasan University	Bharathi dasan University	64.53%	I
PG	M. Phil	Computer Science	2006	Bharathi dasan University	Bharathi dasan University	75.2%	I
Ph.D.	Ph. D	Knowledge-Based Systems – Clustering Text Documents With Uncertain Spatial Reference Using Fuzzy Logic	2016	Sathyabama University	Sathyabama University	-	-

Academic Experience (As on 31st December 2023)

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Professor – H&S Department	1-6-2019	Till date	4	7	0
	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	31 st July 08	2	11	-
	Lecturer – MCA Department	11 th July' 2001	31 st August 05	4	1	19
Arulmigu Meenakshi Amman College, Vadamavandal, Near Kanchipuram	Lecturer – MCA Department	12 th Aug. 1998	10 th July 2001	2	10	28
Total				25	04	17

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, Chrompet, 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. Maheesa (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 Networking-eICICN-2021**, Department of Information Technology, Eswari Engineering College, April 9-10, 2021.

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. (SCOPUS)
3. 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 (2022)**. <https://doi.org/10.1007/s11042-022-12539-2> (SCIE)

Books Authored:

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

Book Chapters:

- "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.
- "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

Project Proposals Submitted:

S.No	Project Title	Agency Submitted	Date	Members
1	<i>Automated Inspection and Maintenance of Overhead Water Tanks (AIM-OWT)</i>	<i>UBA-Atma Nirbhar</i>	<i>2/11/2020</i>	<i>Dr. A. Meenakabilan Dr. V. R. Kanagavalli</i>
2	<i>Green India Awareness App (CGIAA)</i>	<i>TNSCST (tamil Nadu State Council for Science and Technology)</i>	<i>22.09.2021</i>	<i>Mr. R. Subash chandran Mr. Umanathan. S Dr. V. R. Kanagavalli</i>
3	<i>Smart App for Fuel Tracking (SAFFT)</i>	<i>TNSCST (tamil Nadu State Council for Science and Technology)</i>	<i>22.09.2021</i>	<i>Mr. Balaji R Mr. Gautham Krishnan Dr. V. R. Kanagavalli</i>

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.
2. Acted as a Judge for Inter School 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:

1. 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.
2. *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.*
3. *Certified reviewer for the Journal Computers And Electrical Engineering, Elsevier publications.*
4. *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)*

Online Certifications

1. **Cognitive Psychology**- *Online Certification from Concordia College, New York, in association with Alpha Arts and Science College, Chennai (2012)*

Microsoft:

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

NPTEL Milestones

1. **NPTEL Discipline Star, Computer Science and Engineering, Jan-April 2023**
2. **NPTEL Motivated Learner, Jul-Dec 2023**

NPTEL Courses Completed

1. **Educational Leadership** - 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**

Skillrack Courses

1. *C Programming Course - 18 Dec 2019- www.skillrack.com/cert/100376/QAW*
2. *SQL 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:

1. *Module 5 - Technology Enabled Learning and Lifelong Self Learning during November 2021. Reg. No 20211115247*
2. *Module 1 - Orientation towards Technical Education and Curriculum Aspects - July 2022- 84%*
3. *Module 3-Communication skills, Modes and Knowledge Dissemination- July 2022- 81%*
4. *Module 6 - Student Assessment and Evaluation - July 2022- 83%*
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	<i>Programming Fundamentals</i>	<i>Duke University</i>	<i>9/5/2020</i>
2	<i>Data Collection and Processing with Python</i>	<i>University of Michigan</i>	<i>07/06/2020</i>
3	<i>A Crash Course in Data Science</i>	<i>Johns Hopkins University</i>	<i>07/06/2020</i>
4	<i>Python Basics</i>	<i>University of Michigan</i>	<i>24/5/2020</i>
5	<i>Python Functions, Files and Directories</i>	<i>University of Michigan</i>	<i>13/6/2020</i>
6	<i>Diabetes- the essential facts</i>	<i>University of Copenhagen</i>	<i>27/6/2020</i>
7	<i>Introduction to Deep learning</i>	<i>National Research University, Higher school of Economics</i>	<i>30/6/2020</i>
8	<i>Python Classes and Inheritance</i>	<i>University of Michigan</i>	<i>27/7/2020</i>
9	<i>Effective Problem Solving and Decision Making</i>	<i>University of California</i>	<i>14/7/2020</i>
10	<i>Beyond the Sustainable Development Goals (SDGs): Addressing Sustainability and Development</i>	<i>University of Michigan</i>	<i>2/7/2020</i>
11	<i>Data Scientist's Toolbox</i>	<i>Johns Hopkins University</i>	<i>21.09.2020</i>
12	<i>Positive psychology</i>	<i>University of North Carolina at Chapel Hill</i>	<i>28.09.2020</i>
13	<i>Introduction to psychology</i>	<i>Yale University</i>	<i>28.09.2020</i>
14	<i>A Life of Happiness and Fulfillment</i>	<i>Indian School of Business</i>	<i>29.09.2020</i>

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES

AICTE Faculty Code: 1-499329213

AICTE INSTITUTION CODE: 1-2028941

Anna University Faculty Code: 4125181

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- ANNUAL RENEWAL Society Memberships <ul style="list-style-type: none">● Systems, Man and Cybernetics● Computer Society● Educational Society● Computational Intelligence

			<p>Society</p> <ul style="list-style-type: none">• Information <p>Theory Society</p>
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