

Dr. K. Krishnakumari

Assistant Professor, University College of Engineering, Panruti - **607 106**

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I. Objective

Dedicated academic professional with experience in teaching, research, and administration. Expertise in Computer Science and Engineering, aiming to contribute to academic excellence and research innovation.

II. Education

- **Ph.D.** in Computer Science and Engineering (April 2021) – **National Institute of Technology, Tiruchirapalli**
Thesis: Design and Implementation of Domain Adaptation Techniques for Sentiment Classification
- **M.E.** in Computer Science and Engineering (2010) – **Anna University, Tiruchirappalli**
University II Rank
- **B.E.** in Computer Science and Engineering (2001) – **Periyar Maniammai College of Technology for Women, Vallam**
First Class with Distinction

III. Professional Experience

1. **University College of Engineering, Panruti**
Assistant Professor, Computer Science and Engineering (3rd Dec 2025 – Till Now)
2. **A.V.C. College of Engineering, Mannampandal**
Head and Associate Professor- IT (2nd Dec 2024 – 2nd Dec 2025)

Associate Professor- CSE
Nov 2011 – Dec 2024 (13+ Years)

Assistant Professor (Selection Grade)-CSE
Feb 2011 – Oct 2011 (8 Months)

Senior Lecturer- CSE
Jul 2009 – Jan 2011 (1.5 Years)

Lecturer-CSE
Jun 2004 – Jun 2009 (5 Years)

3. **SASTRA Deemed University, Thanjavur**

Lecturer
Jan 2002 – May 2004 (2.5 Years)

IV. Key Contributions at A.V.C. College of Engineering

SPoC

- SmartIndia Hackathon 2024, 2025

Convener

- International Conference ICIRET 2025
- Technothirst 2025

Patents: 04 applied

Books Authored:

- Theory of Computation (2006)
- Compiler Design (2011)
- Data Structures (2007)

Research Publications:

- 24 National and International Journal Publications (2 Science citation Indexed, 5 Scopus)

FDPs/ Seminars/ Guest Lectures Organized

- Organized more than 6 workshops/ FDPs and more number of guest lectures under CSI Student branch

FDPs/ Seminars/ Guest Lectures Attended

- Attended more than 30 FDPs/Workshops/ Seminars in various colleges

Portfolios Held

- - SIH 2024 SPoC
- NBA Institution Co-Coordinator(s)
- NBA Department Co-ordinator
- NAAC Department Co-ordinator
- R&D Co-ordinator
- CSI Student Branch Counselor
- Project Co-ordinator UG/PG
- ISO Auditor

Funded Projects/grants:

- Received Rs. 14,32,000 as Co-Investigator from AICTE under RPS Scheme for Emotional Intelligence Analysis.
- Received Rs. 25,000/-from Computer Society of India for State Student Convention during 2016.
- Received Rs.5000 from CSI for conducting Golden Tech Bridge Programme during 09/08/2014.
- Received Rs.10, 000 from TNSCST for the project titled 'Self Help group Management system' during 2013.

Mentorship:

- Guided Smart India Hackathon teams (2022,2024).
- Guided AU – TNSDC – GUVI – Tamil Nadu Coders Premier League (TN – CPL) project of our CSE Students on the title 'Emotion Recognition from Text using Large Language Model' and accompanied the GUVI Hackathon held on 12th April 2024 to 13th April 2024 at MIT Campus, Anna University, Chromepet, Chennai

Reviewer:

- Journals such as Soft Computing (Springer) and Neurocomputing (Elsevier).

Awards / Achievements

- Participated in 11 NPTEL Courses, awarded with **NPTEL Discipline Star, Elite+Gold, Elite + Silver, Elite** in many courses
- Received **Longest Continuous SBC award** during 2016-17 and 2017-19
- Got **GATE qualified score** during 2012. (Marks Obtained: 36.67 Out of 100, GATE Score: 380)
- Acted as resource persons for more than 18 times in many guest lectures / FDPs/ Seminars

V. Skills

- Machine Learning, Artificial Intelligence
- Data Science, Deep Learning
- Cloud Computing, Big Data Analytics
- Compiler Design, Theory of Computation

V. Professional Memberships

- Life Member, ISTE

VI. Seminar/Conference/Training/FDP Attended

S. No	Type of Programme	Title of the Programme	Conducted By	Date(s) & Year
1.	STTP	Mainframe, Midrange and Micro Computer plus Technical Articles	SSN College of Engineering, Kalavakkam	15/11/2004 -27/11/2004
2.	Workshop	Foundation of Middleware Technologies(FMT)	Thiagaraja College of Engineering, Madurai.	21/09/2006 -23/09/2006
3.	Training	“Train the Trainer” – employability Training	Infosys Technologies, Chennai sponsored by ELCOT, Chennai	08/12/2006 – 09/12/2006
4.	Workshop	Software Testing using Rational Robot	Arasu Engineering College, Kumbakonam	08/02/2007 – 09/02/2007
5.	Symposium	Web Services – Architectures and Applications	National Institute of Technology	12/12/2008
6.	Workshop	Advanced Technologies	National Level Seminar @ Sri Dhanalakshmi Srinivasan Engineering College, Perambalur	18/02/2011
7.	Workshop	2- Day Seminar on Research Challenges in Wireless Sensor Networks	Periyar Maniammai University, Vallam	12/08/2011 – 13/08/2011
8.	FDP	FDP on “XML and Web Services”	A.V.C College of Engineering, Mannampandal	03/12/2012 -09/12/2012
9.	FDP	Database Management System	NIT, Tiruchirapalli	21/05/2013 – 31/05/2013
10.	FDP	Architecture, Algorithms Analytics for big data using cloud computing	NIT Warangal	07/03/2014 – 11/03/2014
11.	FDP	ISTE Sponed FDP on Big Data Analytics with Data Mining - New Opportunities and Challenges	AVC College of Engineering	05/08/2014 -09/08/2014
12.	Workshop	1-Day Workshop on NPTEL	Arasu Engineering College, Kumbakonam	28/09/2012
13.	Workshop	2-Day Workshop on Network Design	A.V.C College of Engineering, Mannampandal	11/10/2013 & 12/10/2013
14.	Workshop	2-Day Workshop on Big Data Analytics	Anna University Regional Centre, Coimbatore	18/10/2013 – 19/10/2013

S. No	Type of Programme	Title of the Programme	Conducted By	Date(s) & Year
15.	Workshop	National Workshop on LATEX	Annamalai University, Chidambaram	26/10/2013
16.	FDP	ISTE Sponed FDP on Big Data Analytics with Data Mining - New Opportunities and Challenges	AVC College of Engineering	05/08/2014 -09/08/2014
17.	Workshop	Big Data Analytics	SASTRA University, Thanjavur	06/12/2014 -07/12/2014
18.	Workshop	Data Analytics Concepts and Techniques for Business Intelligence	NIT, Tiruchirappalli	08/08/2016 - 13/08/2016
19.	FDP	Short term course on 'Analytics'	NIT, Tiruchirappalli	19/01/2017 - 22/01/2017
20.	FDP	AICTE Sponsored FDP for Student Induction Program	Easwari Engineering College, Ramapuram	26/03/2018 - 28/03/2018 03/12/2018 - 09/12/2018
21.	NPTEL-AICTE FDP	Introduction to Automata, Languages and computation	NPTEL-AICTE (Funded by Ministry of HRD, Govt of India)	Jan-Apr 2019 (12 week Course)
22.	FDP	NBA in Higher Educational Institutions – A Mandate	Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry	09/12/2019 - 13/12/2019
23.	STTP	AICTE Sponsored STTP on 'Legal rights of Women and Redressal Mechanism for Faculty members'	A.V.C. College of Engineering, Mannampandal	02/03/2020 - 07/03/2020
24.	AICTE-ISTE Induction / Refresher Program	AN EFFECTIVE PEDAGOGY PRACTICE	K.L.N. COLLEGE OF ENGINEERING POTTAPALAYAM	03/03/2021 - 09/03/2021
25.	FDP	Deep Learning for Social Network Data Analysis (Online)	Karpagam College of Engineering, Coimbatore	16/08/2021 - 20/08/2021
26.	FDP	FDP on Data Analysis Using Statistical Learning Techniques (Online)	Department of Mathematics, IIT Madras	21/03/2022 - 26/03/2022
27.	NPTEL	NPTEL E-Awareness workshop	NPTEL, IIT Madras	18/01/2023

S. No	Type of Programme	Title of the Programme	Conducted By	Date(s) & Year
28.	FDP	FDP on "Trends and innovations in industry 4.0"	Department of Instrumentation and Control Engineering, A. V. C. College Of Engineering	23/01/2023 to 28/01/2023
29.	Seminar	ICSSR Sponsored 1 Day seminar on 'Cyber Security-Cyber Health and Disease'-	Department of Information Technology, A. V. C. College Of Engineering	17/02/2023
30.	FDP	FDP on Artificial Intelligence and Machine Learning	Department of Computer Science and Engineering, Sri Ranganathar Institute of Engineering and Technology, Coimbatore	20/02/2023 to 24/02/2023
31.	FDP	FDP on " Recent Trends in Cognitive Science & its Applications"	VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad.	13/03/2023 to 18/03/2023
32.	FDP	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dhanalakshmi College of Engineering, Chennai	17.07.2023 to 21.07.2023
33.	FDP	NanMuthalvan FDP on 'ChatGPT'	Anna University, Tiruchirappalli	24/07/2023 - 28/07/2023
34.	FDP	FDP on 'Building Advanced Data Analytics Applications with Cloud'	NextGen Employability /Program, Edunet/	03/10/2013 - 07/10/2023
35.	FDP	AI Evolution: "From Foundations to Generative AI	AICTE- TechSaksham	11/12/2023 - 15/12/2023
36.	FDP	Federated Learning: Collaborative Artificial Intelligence Research in a Privacy-Preserving Era	A.V.C. College of Engineering, Mannampandal	18/12/2023 to 23/12/2023
37.	FDP	Exploring Data Science with Hands on Training using Python	Madanapalle Institute of Technology and Science , Madanapalle - 517325,	22.04.2024 to 26.04.2024
38.	Online FDP	AWS CLOUD PRACTITIONER	Sri Venkateswara College Of Engineering(Autonomous)	12/11/2024 to 12/11/2024

VII. NPTEL Courses attended

S. No	Name	Year	Duration	Subject	Credit	Grade
1.	Krishnakumari K (18CS37S22060169)	2018 (Aug – Oct)	8 Weeks	Design and analysis of algorithms	2	Elite
2.	Krishnakumari K (19MA15S32160097)	Jan – April 2019	12 Weeks Course	Introduction to Automata, Languages and computation	3	Elite + Silver
3.	Krishnakumari K (19CS01S42160139)	Jan – April 2019	12 Weeks Course	Compiler Design	3	Elite
4.	Krishnakumari K (21CS62S14460013)	2021 (Aug – Oct)	8 Weeks	CLOUD COMPUTING	2	Elite
5.	Krishnakumari K (22GE13S34480451)	Feb-Mar 2022	4 Weeks	Outcome Based - Pedagogic Principles for Effective Teaching	1	Elite
6.	Krishnakumari K (22CS84S13850361)	Jul-Sep 2022	8 Weeks	Introduction to Machine Learning (Tamil)	2	Elite + Silver
7.	Krishnakumari K (23CS75S841900185)	Jul-Oct 2023	12 Weeks Course	Ethical Hacking	3	Elite + Silver
8.	Krishnakumari K (24CS108S563800060)	Jul-Oct 2024	12 Weeks Course	Operating System Fundamentals	3	Elite + Silver+5% Topper
9.	Krishnakumari K 25CS40S551900065	Jan-Apr 2025	12 Weeks Course	Introduction to Database Systems	3	Successfully Completed
10.	Krishnakumari K 25CS109S563300071	Jul-Oct 2025	12 Weeks Course	Software Project Management	3	Elite
11.	Krishnakumari K 25CS131S1163300056	Jul-Oct 2025	12 Weeks Course	Big Data Computing	3	Elite+Gold+1% Topper

VIII. ATAL FDPs attended

S. No	Name of the FDP	Duration	No. of Hours / Duration Timing	Organizer/ Institution	E-Certificate ?
1.	Data Science	07/12/2020 – 11/12/2020	9.30 AM – 4.30 PM (5 Days)	Sri Krishna College of Engineering and Technology Coimbatore	Yes
2.	Block Chain	14/12/2020 – 18/12/2020	10 AM – 4 PM (5 Days)	National Institute of Technology Arunachal Pradesh.	Yes
3.	Augmented Reality (AR)/ Virtual Reality(VR)	04/01/2021 – 08/01/2021	10 AM – 4 PM (5 Days)	Narasaraopeta Engineering College, Guntur, Andhra Pradesh	Yes
4.	Mathematics for Machine Learning	18/01/2021 – 21/01/2021	10 AM – 4 PM (5 Days)	Sri Jayachamarajendra College of Engineering, JSS Science and Technology university, Mysuru	Yes
5.	NBA Accreditation Process	28/06/2021 – 02/07/2021	10 AM – 4 PM (5 Days)	Jawaharlal Nehru Technological University Anantapur Ananthapuramu -515002, (A.P.) India	Yes
6.	Federated Learning: Collaborative Artificial Intelligence Research in a Privacy-Preserving Era	18/12/2023 to 23/12/2023	9.30 AM – 5 PM (6 Days) Offline	A.V.C. College of Engineering, Mannampandal	Yes
7.	Secure and Explainable Generative AI for Medical IoT Data Analytics	25/08/2025 - 30/08/2025	6 PM – 9.30 PM (6 Days) Online	NIT, PUDUCHERRY	Yes

IX. Paper presented in Seminar / National / Inter-National Conference

National: 17

S. No	Name of the Authors	Title of the paper	Title of conference	Conducted by	Date & Year	Proceed. Page No.
1.	K. Krishnakumari N. Renugadevi N. Bharathi	Implementing Anonymous Connections using Onion Routing Protocol	SACOFERENC E	Dr.Sivanthi Aditanar College of Engineering, Tiruchendur	Aug 18-19, 2005	283-291
2.	K.Krishnakumari N. Renugadevi	Implementing TSP using genetic Algorithm	Biobrain 2006	A.V.C. College (Autonomous)	Mar 02 & 03, 2006	12-14
3.	K. Krishnakumari N. Rajganesh	WAP Based System for Remote Monitoring and Control	Advances in Computer Engineering & Networking	P.S.N.A College of Engineering, Dindugal	Mar 17 2007	195-202
4.	K. KrishnaKumari N. RajGanesh	Providing High end Security using Enterprise Grid	National Conference On Information, Communication & Computing	Hindustan College of Engineering, Padur, Chennai	May 7 2007	CD
5.	K. KrishnaKumari N. RajGanesh	Developing High Performance Symmetric Key -	National conference on Trends in ComputingNCT C-07	SVIET, Banur, Punjab	May 18,19 2007	SVIET/ NCTC/ 07/249
6.	N. RajGanesh K. KrishnaKumari	Developing High Performance Symmetric Key -	National conference on Trends in ComputingNCT C-07	SVIET, Banur, Punjab	May 18,19 2007	SVIET/ NCTC/ 07/249
7.	N. RajGanesh K. KrishnaKumari	Confining Data & Processes in Mobile Computing	Second National Conference on Frontier Research Areas in Computing Sciences	Dept of ComputerScience, Bharathidasan University, Trichy	Oct 5,6 2007	CD

8.	N. RajGanesh K. KrishnaKumari	Improving The Performance Of Video-On-Demand Using Our Co-Operative Distribution Protocol	Hi - Tech Trends In Emerging Computational Technologies	Sethu institute of technology, Madurai	May 08,09-08	CD
9.	K. KrishnaKumari	Scalable Live Video Streaming to Cooperative Clients	NCICCT'09	Jayaram College of Engineering & Technology, Trichy	Aug 27,28 2009	CD
10.	K. KrishnaKumari	A web Access System for mobile phone users based on cloud computing	CINS 10	Vellammal Engineering College, Chennai	Mar 19 2010	CD
11.	K. KrishnaKumari	Managing enterprise knowledge using collective intelligent clouds	National Conference on Innovations in Computing technologies	Arasu Engineering College Kumbakonam	16/03/12	CD
12.	K. KrishnaKumari	A Big Data Approach on Aspect based Summarization	National Conference on Innovation in Computing and Communication Technology	Kongunadu College of Engineering and Technology	2016/3/25	CD
13.	K. KrishnaKumari	Cross Lingual Sentiment Analysis System using Canonical Correlation Analysis	National Conference on "Mathematical Modeling for Engineering Organized by dept of Mathematics (NCMME2017)	A.V.C College of Engineering	08.04.2017	CD
14.	K. KrishnaKumari	Domain Adaptation in Sentiment Classification using Deep Sentence Properties	National Conference on Emerging Technologies (NCET 2017)	Arunai College of Engineering, Tiruvannamalai	11/03/2017	CD
15.	K. KrishnaKumari	An enhanced Sentiment Dictionary for Tamil Language using Multi-domain Datasets	National Conference on High Performance Computing (NCHPC ' 18)	Kings College of Engineering, Punalkulam	21/03/2018	CD
16.	K.Krishnakumari	Encoded polymorphic aspects of clustering	National conference on Recent Trends and	Arasu Engineering College	12.03.2020	CD

			Technologies in Computing (NCR TTC'20)			
17.	K.Krishnakumari	Empowering Vulnerable Communities with Multilingual Whispered Speech Recognition.	National Conference on Innovative Technologies in Engineering and Research (NCITER-2024)	A.V.C.College of Engineering, Mannampandal	22/02/2024	CD

International: 25

S. No	Name of the Authors	Title of the paper	Title of conference	Conducted by	Date & Year
1.	N. RajGanesh K. KrishnaKumari	Smart System for Monitoring and Control (Won the Third Prize)	International Conference on Data Warehousing, Data Mining & Networking	Jayaram College of Engineering & Technology, Trichy	Oct 5 2007
2.	K. KrishnaKumari	A Novel Web page Adaptation for Mobile Devices	ICICT '09	Sairam Engineering College, Chennai	16-18 /10/2009
3.	K. KrishnaKumari	Mobile Agent for Information Retrieval in Distributed Environment	ICICT '09	Sairam Engineering College, Chennai	16-18 /10/2009
4.	K. KrishnaKumari	Co-operative information Dissemination With DSR in MANET	ICICT 2010	M.Kumaraswamy college of Engg, Karur	12-13/02/2010
5.	K. KrishnaKumari	Enhancing Readability in Webpages by Eliminating Unwanted Blocks	International Conference on Research and Development in Information and Communication Technology (ICAEISM 2015)	EGS Pillay Engineering College	05/08/2015
6.	K. KrishnaKumari	Bharathi Vidyapeeth Engineering College	CSI – 2015, 50 th Golden Jubilee Annual Convention	Scalable Aspect based Summarization in the Hadoop Environment	02/12/2015-05/12/2015
7.	K. KrishnaKumari	Indra Ganesan college of engineering	International Conference on Emerging Enhancements in Engineering	Distinctive Smart Hotel Guider for Big Data Applications	18/03/2016 IJARMA TE 2454-

			Technology ICEEET16		9762
8.	K. KrishnaKumari	A Deep Learning approach for Sentiment Analysis using Convolution Neural Networks	International Conference on National Development through Innovations in Management, Science & Technology”- (ICONDIMST-2017)	SASTRA University, Thanjavur	10/03/2017-11/03/2017
9.	K. KrishnaKumari	Fine-grained scene text image retrieval using multi-scale spatial partition (MSP) algorithm	International Conference on Advanced Information and Communication Technology’18	Department of Computer Science and Engineering Karpagam College of Engineering Coimbatore	08/03/2018
10.	K. KrishnaKumari	Semantic Image Retrieval using Spectral Hashing	International Conference on Advanced Information and Communication Technology’18	Department of Computer Science and Engineering Karpagam College of Engineering Coimbatore	08/03/2018
11.	K. KrishnaKumari	A Semantic approach for Image Retrieval using Spectral Hashing	International Conference on Computing Communication and Drastic Innovations in Energy Thrive (IC3DIET – 18)	Anna University, University College of Engineering, Panruti	28/02/2018
12.	K. KrishnaKumari	Improving Text Summarization Using Text Ranking Algorithm	Third International Conference on Innovative Trends in Engineering and Technology (ICITET ’18)	Sree Krishna College of Engineering	24/03/2018
13.	K. KrishnaKumari	An enhanced Sentiment Dictionary for Tamil Language using Multi-domain Datasets (Got Best Paper Award)	Third International Conference on Innovative Trends in Engineering and Technology (ICITET ’18)	Sree Krishna College of Engineering	24/03/2018
14.	Dr.K.Krishnakumari	A Two level aspect categorization for sentiment classification using association rule mining and deep hyper graphs	International conference on multidisciplinary research (ICMR-2019)	KSK College of Engineering & Technology	5.3.19

15.	Dr.K.Krishnakumari	Context aware document retrieval using loci based clustering	International conference on advanced concepts in computational engineering and sciences(ICACC ES 19)	Bharathiyar college of engineering and technology	15.3.19
16.	Dr.K.Krishankumari	Hate Speech Detection using Deep Learning Techniques	International Virtual Conference on Innovative Research in Power and Energy Engineering 2.0 (IRPEE 2.0)	Arasu Engineering College, Kumbakonam	18/05/2022
17.	Dr.K.Krishankumari	Improving the Hate Speech detection using LSTM	International Conference on Intellectual REsearch in Science, Engineering and Management (ICIRSEM 2022)	St. Joseph's College of Engineering, Thanjavur	28/05/2022
18.	Dr.K.Krishnakumari	Integrated Dashboard for Multi-speciality Hospitals	International conference on Advanced techniques in Communication Networking and Automation	Arasu Engineering College, Kumbakonam	26.04.23
19.	Dr.K.Krishnakumari	A Comparative analysis of emotion recognition using ElectroEncephalography (EEG) Signals using Deep Learning Techniques	ICATCNA- Apr 23	Arasu Engineering College, Kumbakonam	26.04.23
20.	Dr.K.Krishnakumari	A deep learning based integrated approach to detect abusive language in Social Media Text and Memes	International conference on Advanced techniques in Communication Networking and Automation	Arasu Engineering College, Kumbakonam	26.04.23
21.	Dr.K.Krishnakumari	Detection of lung cancer using very deep Convolutional Network	ICATCNA- Apr 23	J.J. College of Engineering and technology	12.05.23
22.	Dr.K.Krishnakumari	Cyber enabled daily living supported non-public data recommendation systems	International conference on Advanced techniques in Communication Networking and Automation	J.J. College of Engineering and technology	12.05.23

23.	K. Krishnakumari	Automatic Facial Expression recognition employing CNN-Inception and the RESNET 50 Model (SCOPUS Indexed)	International conference on Research Methodologies in Knowledge management, Artificial intelligence and telecommunication engineering (IC-RMKMATE'23)	R.M.K. Engineering College, Kavaraipettai	01/11/2023 - 02/11/2023 https://ieeexplore.ieee.org/abstract/document/10368811
24.	K. Krishnakumari	Speech Emotion DEtection using CNN with LSTM	International conference on Innovation in Intelligence and Informatics ICI3'2K24	Sri Sai Ranganathan Engineering College, Coimbatore	20-04-2024
25.	K. Krishnakumari	Enhanced Multilingual Speech Recognition by Using Whisper AI for Elderly and Transgender Communities.	International Conference on Computing Communication and Sustainable Energy System.	EGS PILLAI ENGINEERING COLLEGE, Nagapattinam	05/04/2024

X. Papers Published in National / Inter National Journals:

S.no	Name of Author(s)	Title of paper	Title of Journal	Page(s) No.	Year/ISSN
1.	K. Krishnakumari	Grid Computing	Engineering Today	17-19	Jan 2005
2.	K. Krishnakumari	Network Monitoring and Controlling through Dynamic Sources	Engineering Today	24-26	Aug 2006
3.	K. Krishnakumari N.Rajganesh	Implementing High End Security using Enterprise Grid	Periyar Journal of Research and Development ISSN: 0972-7582	19-22	2007
4.	K. Krishnakumari N.Rajganesh	A Genetic Algorithmic Approach for generating Test cases	I-Manager's Journal on Software Engineering ISSN: 0973-5151	38-48	2007
5.	K. Krishnakumari A. Jancy	Personalized Framework for QOS Ranking in Cloud Service and Recommendation System Using Collaborative Filtering Approach	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)	Vo. 5 Issue.5 Page: 1342-1347	2015
6.	K. Krishnakumari Gayathri	Improving Semantic Knowledge Base for Transfer Learning in Sentiment Analysis	International Journal of Scientific Research Engineering & Technology (IJSRET)	Vo. 4 Issue. 2 Page: 109-113	2015
7.	K. Krishnakumari R. Thilagavathi	Tamil English Language Sentiment Analysis System (International Conference On Emerging Trends In Engineering & Technology)	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Volume 4, Issue 16	114-118	2016/03
8.	K. Krishnakumari E. Sivasankar	Domain Adaptation in Sentiment Classification using Deep Sentence Properties National Conference on "Mathematical Modeling for Engineering Organized by dept of Mathematics (NCMME2017)	Global Journal of Pure and Applied Mathematics, 0973-1768, Volume 13, Number 2	670-678	2017

S.no	Name of Author(s)	Title of paper	Title of Journal	Page(s) No.	Year/ISSN
9.	K. Krishnakumari E. Sivasankar	Scalable Aspect-Based Summarization in the Hadoop Environment	Advances in Intelligent Systems and Computing, Volume- 654 Publisher: Springer, Singapore ISSN: 2194-5357	439-449 SCOPUS Indexed	2018/Jan
10.	Mrs.K.Krishna kumari	Improving text summarization using text ranking Algorithm	International Journal of Innovative Trends and Emerging Technologies (IJTET'18)	ISSN 23499842(Online), Volume 2, Special Issue 1(ICITET 18),	March 2018
11.	Mrs.K.Krishna kumari	An enhanced sentiment dictionary for tamil Language using multi-domain datasets	International Journal of Innovative Trends and Emerging Technologies (IJTET'18)	ISSN 23499842(Online), Volume 2, Special Issue 1(ICITET 18),	March 2018
12.	Dr.K. Krishnakumari Ms.R. Lavanya	Brain- computer interface for robotic application using ARDUINO	International journal of research and analytical reviews	2348-1269	October 2018
13.	K. Krishnakumari V. Abinaya	A Survey on Text Summarization	International journal of research and analytical reviews	Volume 5 Issue 4 2348-1269	October 2018
14.	K.Krishnakumari V.Abinaya	A Two-Level Aspect Categorization for Sentiment Classification Using Association Rule Mining And Deep Hyper Graphs	SSRG International Journal of Computer Science and Engineering (SSRG – IJCSE)	Page 41-48 Volume 5, Special Issue ICMR 2348-8387	March 2019
15.	K.Krishnakumari V.Abinaya	A Clustering Based Deep Hypergraph Model for Sentiment Classification	International Research Journal of Engineering and Management Studies (IRJEMS)	Volume: 03 Issue: 05 2395-0126	May 2019
16.	K.Krishnakumari R.Lavanya	Cross Domain Text Classification using Labelled LDA Method	International Research Journal Of Engineering And Management Studies (IRJEMS)	Volume: 03 Issue: 05 2395-0126	May 2019
17.	Dr.K.Krishnakumari Ms.V.Abinaya	Syndromic Surveillance On Social Media Data Using Deep Neural Network For Text Classification	SSRG International Journal of Computer Science and Engineering (SSRG – IJCSE)	2348-8387	March 2019

S.no	Name of Author(s)	Title of paper	Title of Journal	Page(s) No.	Year/ISSN
18.	Krishnakumari K. Sivasankar, E., Radhakrishnan, S.	Hyperparameter tuning in convolutional neural networks for domain adaptation in sentiment classification (HTCNN-DASC) – SCI	Soft Computing, Springer, Berlin Heidelberg	Volume 24, Issue 5, Page 3511–3527, (SCI-Indexed, IF-3.5).	2019 1432-7643
19.	K. Krishnakumari P. Akshaya	A survey on graph based approaches in sentiment Analysis	International Research Journal of Engineering and Technology	Volume 6 Issue 7	2019 2395-0056
20.	P. Akshaya, K. Krishnakumari	Automatic Emoji Lexicon Construction for Sentiment Analysis using Word Knowledge	International Research Journal of Engineering and Technology (IRJET)	Volume 7, Issue 4, Page: 5533-5544	2020 2395-0056
21.	E. Sivasankar, K. Krishnakumari & P. Balasubramanian;	An enhanced sentiment dictionary for domain adaptation with multi-domain dataset in Tamil language (ESD-DA) – SCI	Soft Computing, Springer, Berlin Heidelberg	Volume 25 , Issue: 05, pp: 3697–3711	March 2021, 1432-7643
22.	Dr.K.Krishnakumari, Archana. B, Kesavarthini.C,	A Deep Learning Based Integrated Approach to Detect Abusive Language in Social Media Text And Memes	International journal of computer science trends and technology	PP: 59-65	Apr-23 ISSN: 2347-8578
23.	Dr.K.KrishnaKumari K;Akshaya V;Santharajani N;Santhinidevi S;Sneha V	Emotion Recognition Using Electroencephalography (EEG) Signals by deep learning Techniques	International journal of computer science trends and technology	PP: 116 -121	Apr-23 ISSN: 2347-8578
24.	K. Krishnakumari, E. Sivasankar	Aspect-based summarisation in the big data environment – SCOPUS Indexed	International Journal of Advanced Intelligence Paradigms	Vol. 25, Nos. 1/2, Pages: 68-83	April 2023 1755-0386
25.	Durairaj, T.; Chakravarthi, B.R.; Hegde, A.; Shashirekha, H.L.; Natarajan, R.; Thavareesan, S.; Sakuntharaj, R.; Krishnakumari, K.; Rajkumar, C.; Shetty, P.; Kumar, H.S.	Overview of the Shared Task on Sentiment Analysis in Tamil and Tulu	Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pages 97–103 May 3, 2025 ©2025 Association for Computational Linguistics	pages 97–103	May 3, 2025

XI. Researcher ID

Scopus	ORCID	Web of Science/ Publons
57196051461	0000-0001-9466-8121	AAN-2801-2021

XII. Books Published

Name of Faculty(s) (Who have authored book)	Title of Book	Name of publisher	Year of Publication	ISBN
K. Krishnakumari	Theory Of Computation	A.R.S Publication, Chennai	2006	978-93-84608-95-8
K. Krishnakumari N.RajGanesh	Data Structures	A.R.S Publication, Chennai	2007	978-93-87255-12-8
K.Krishnakumari S. Rajalakshmi	Mathematical Foundations of Computer science	A.R.S Publication, Chennai	2010	
K. Krishnakumari	Principles of Compiler Design	A.R.S Publication, Chennai	2011	978-93-84608-92-7

XIII. Faculty Contribution as Resource person

S.No	FDP / SDP/Workshop/ Conference/Guest lecture - Title	Conducted by	Date
1.	Guest Lecture on Advanced Operating Systems	@ KSR Institute of Technology, Thiruchengode	29/06/2008
2.	Guest Lecture on Theory of Computation	Angallaman College of Engineering, Tiruchirapalli	13/08/2013
3.	Theory of Computation for the 3-days FDP on Theory of Computation	Department of CSE, AVCCE	26/05/2017
4.	Guest Lecture on the topic: 'Compiler Design'	Department of Computer Science, Annai College of Arts & Science	22/08/2017
5.	1 Week Short term Course on 'Advanced Concepts in Databases and Data Analytics' – Lecture on the topic of 'Text Mining and Cross Domain Sentiment Analysis'	Department of CSE, NIT Tiruchirappalli	06/11/2017
6.	Acting as Judge for the Tech Fair- Artificial Intelligence	Dr.G.S.K. Matriculation Higher Secondary School, Pazhaya Gudalur.	28/02/2018
7.	Workshop on Emerging Challenges in the Operation and Control of Solar Power Plants – Lecture on the topic 'Big Data Analytics'	Annamalai University, Chidambaram	25/03/2018
8.	Introduction to Theory of Computation	MRK institute of Technology	27/09/2018
9.	Acting as Judge for the Exhibition conducted by Tamilnadu Government School Education, Sirkali	Best Matric Higher Secondary School, Sirkali.	11/10/2019
10.	Resource Person for AICTE Sponsored - Six-Days Online Short Term Training Programme on AI enabled Augmented Analytics for Business Intelligence AI2ABI 2020-Phase I	CMR Institute of Technology, Bengaluru- 560 037, Karnataka	15/10/2020 AN from 2.00 PM to 4.00 PM

11.	Student Induction Programme on UVH-Self & Body, Desires & Needs	Dept.of Science and Humanities, AVC College of Engineering, Mannampandal.	28/10/2021
12.	One day Seminar on ‘Analytics using Machine Learning’	Vivekananda College of arts and Science for Women, Sirkali	25/03/2022 at 10 AM
13.	Six Days FDP on ‘Open Source tools for AMD (Artificial Intelligence, Machine Learning, Data Science) Title: RStudio IDE tool for Data Science	SRM Valliammai Engineering College, Kattankulathur	28/06/2022
14.	Power of ChatGPT	Dept. of EEE, AVC College of Engineering, Mannampandal.	31/10/2023 @ 2 PM to 3 PM
15.	Student Induction Programme on UVH-Self & Body, Desires & Needs	Dept.of Science and Humanities, AVC College of Engineering, Mannampandal.	13/09/2023, 9-10.30 AM 19/09/2023 11 – 12.30 PM
16.	Speech Recognition for Vulnerable Individuals using Large language Models	A Five-day FDP cum workshop on “Harnessing NLP and ML techniques for social media data analysis explicitly for Indian Languages - (Hybrid Mode)” at organized by Department of CSE and Cyber Security, IIIT Kottayam.	24-28 June, 2024
17.	Student Induction Programme on UVH-Self & Body, Desires & Needs	Dept.of Science and Humanities, AVC College of Engineering, Mannampandal.	06/09/2024, 11-12.30 PM 04/09/2024, 9 – 10.30 AM
18.	Innovation in Nursing Education through Virtual Reality, Augmented Reality & Simulated Labs	Vinayaka Mission's College of Nursing, Karaikal	07/11/2025 11 AM

XIV. Patents Applied

S No	Title	Grant Number/ Application Number	Date of Grant/ Published
1	AN EMOTION RECOGNITION AND CONTROLLING SYSTEM AT WORKPLACE	202341031708 A	16/06/2023 Request for Comments Submitted
2	DESIGN SMART SYSTEM OF NIGHT VISION PATROLLING ROBOT USING CLOUD BASED IO T WITH AI	202241054320	39/2022
3	VOICE ACTIVATED EMOTION ANALYSIS FOR REALTIME CUSTOMER FEEDBACK AND RETRIEVAL	202541045844 A	06/06/2025
4	DESIGNING AN INTERACTIVE CHATBOT FOR EFFICIENT INFORMATION RETRIEVAL ON GOVERNMENT SCHEME	202541045894 A	06/06/2025

XV. Personal Details

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- **ORCID ID:** 0000-0001-9466-8121
- **Researcher ID:** 57196051461
- **Web of Science ID:** AAN-2801-2021

Dr. K. Krishnakumari