

A.V.C. COLLEGE OF ENGINEERING

Mannampandal – 609 305, Mayiladuthurai,

Faculty profile

NAME:	Dr. K. Krishnakumari				
Designation	Head & Associate Professor / IT				
Date of Joining	01/06/2004				
Qualification	B.E.,M.E., M.B.A., Ph.D.,				
Nature of Association	Regular				
Area of Interest	Text mining, NLP, Sentiment analysis, automata theory				
Experience	Academic: 22 Years				
Publications	Conference		Journal		Book
	Inter national	National	Inter national	national	
	25	17	20	4	
FDTP /workshop/ seminar attended	38		ATAL FDPs		6
FDTP /workshop/ seminar organized	20		NPTEL Courses		8
Professional Affiliations	ISTE - Life Member, CSI Annual Member				
Details of fund received from various external agencies	<ul style="list-style-type: none"> • Received RPS grant of Rs.14,32,000 as Co-investigator titled Productivity improvement at work place using emotional intelligence analysis Ref: RPS Sanction letter File No. 8-182 / FDC / RPS(Rural) / Policy -1 / 2021-22 • Got funding of Rs. 25000 from Computer Society of India for State Student Convention during 2016. • Got funding of Rs.5000 from CSI for conducting Golden Tech Bridge Programme during 09/08/2014. • Got funding of Rs.10, 000 from TNSCST for the project titled ‘Self Help group Management system’ during 2013. • Filed 2 Patents 				
Awards received	<ul style="list-style-type: none"> • Topper among 5% in the NPTEL exam on ‘Operating system Fundamentals’ • NPTEL Discipline Star during July-December 2023 • Got Longest Student Branch Counselor Award from of CSI at Student Convention for 2 times. 				
Other information’s	<ul style="list-style-type: none"> • Working in different portfolios such as NBA Institution Co-Coordinator, Project Co-ordinator, CSI Student Branch Co-ordinator since Nov 2007, NBA Co-ordinator, NAAC Co-ordinator, Class 				

Committee Incharge, R&D Activity Co-ordinator.

- Acting as a Mentor for Smart India Hackathon 2022 held at Anand Institute of Technology, Chennai during 25/08/2022-26/08/2022.
- Acted as Resource person for 17 times in many Arts, Engineering Colleges and Universities such as KSR Institute of Technology, Thiruchengode, NIT Tiruchirappalli, Annamalai University, Chidambaram, MRK institute of Technology, Kattumannarkoil, CMR Institute of Technology, Bengaluru, IIIT, Kottayam.

I REFEREED JOURNALS

1. E. Sivasankar, K. Krishnakumari, P. Balasubramanian (2021) An Enhanced Sentiment Dictionary for Domain Adaptation with multi-domain dataset in Tamil language (ESD-DA). *Soft Computing* (**SCIE, IF: 3.643**, pp:3697-3711) (DOI: <https://doi.org/10.1007/s00500-020-05400-x>).
2. K. Krishnakumari, E. Sivasankar, Sam Radhakrishnan (2020) Hyperparameter tuning in convolutional neural networks for domain adaptation in sentiment classification (HTCNN-DASC). *Soft Computing* (**SCIE, IF: 3.643**, pp:3511-3527) (DOI: <https://doi.org/10.1007/s00500-019-04117-w>).
3. Krishnakumari K., Sivasankar E.,(2018), Aspect based Summarization in the Big Data Environment, *International Journal of Advanced Intelligence Paradigms (IJAIP)*, (**SCOPUS Indexed IF: 0.8**) InderScience Publishers (DOI: 10.1504/IJAIP.2018.10023308)
4. Thilagavathi, R., & Krishnakumari, K. (2016). Tamil english language sentiment analysis system. *International Journal of Engineering Research and Technology*, 4, 114-118.
5. Krishnakumari, K., & Akshaya, P. (2019). A survey on graph based approaches in sentiment analysis. *International Research Journal of Engineering and Technology (IRJET)*, 6(7), 1322-1330.

II CONFERENCES

1. Krishnakumari, K., et al. "Automatic Facial Expression Recognition Employing CNN-Inception and the ResNet 50." *2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)*. IEEE, 2023, (SCOPUS Indexed), <https://ieeexplore.ieee.org/abstract/document/10368811>.
2. K. Krishnakumari, E. Sivasankar (2018) Scalable Aspect-Based Summarization in the Hadoop Environment. In: Aggarwal V., Bhatnagar V., Mishra D. (eds) *Big Data Analytics. Advances in Intelligent Systems and Computing*, vol 654. Springer, Singapore, 439-449, (SCOPUS Indexed).
3. K. Krishnakumari, E. Sivasankar (2017) 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.
4. Krishnakumari K., Sivasankar E. (2015), Transfer Learning in Sentiment Analysis, *National Conference on Distributed Machine Learning*, SSN College of Engineering, Chennai.

III Google Scholar Citation Index (Upto December 2024):

Citations	62
h-index	4
i10-index	2