

PROFILE

Name	VATHSALA.M.K
Position & Affiliation	Assistant Professor, Department of ISE
Areas of Interest	MACHINE LEARNING,DEEP LEARNING,NLP,ARTIFICIAL INTELLIGENCE,BLOCK CHAIN,CYBER SECURITY
Email	vathsala.ise@cambridge.edu.in
LinkedIn ID	
Google Scholar ID	https://scholar.google.com/citations?user=hGqdhTEAAAJ&hl=en
Orchid ID	https://orcid.org/0000-0002-1650-5906
Vidwan ID	
Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	VTU	India	
MTech	RVCE,VTU	India	2011
BE	SJCIT,VTU	India	2007

Areas of Research:

NLP,MACHINE LEARNING

Brief Profile: (write about yourself)

Prof. VATHSALA.M.K. is working as an Assistant Professor in the Department of Information Science and Engineering. She is graduated from SJCIT,Chikkaballapur, in 2007 and she completed her masters in RV College Of Engineering, Bangalore in 2011 specialized in Software Engineering. Currently she is pursuing her Ph.D. in the field of Natural Language Processing under VTU, Bangaluru. She has over 12 years of teaching experience from PES Institute of Technology ,PES University and MSRIT, Bangalore and is associated with Cambridge Institute of Technology from June 2024. Her research interests include Natural Language Processing, Robotics, GenAI, information security, information processing, artificial intelligence, machine learning, edge analytics, and data science.

Guiding students at various levels (BE, MTech):GUIDED AROUND 15+ BE PROJECTS AND 10+ M.Tech projects

Awards/Achievements/Others:

Courses Taught: WEB 2.0 & RIA,WEB TECHNOLOGIES,XML,DESIGN AND ANALYSIS OF ALGORITHMS,DATA STRUCTURES,C,C++,PYTHON,JAVA,FULL STACK DEVELOPMENT, DATA SCIENCE,DEEP LEARNING,ARTIFICIAL INTELLIGENCE,CRYPTOGRAPHY AND NETWORK SECURITY,

Publications/Patents:

Publications	<ol style="list-style-type: none"> 1. M.K. Vathsala and S.C. Lingareddy, "Transliteration and translation of the Hindi language using integrated domain-based auto-encoder," <i>IAES International Journal of Artificial Intelligence (IJ-AI)</i>, vol. 13, no. 4, pp. 1-1x, Dec. 2024. doi: 10.11591/ijai.v13.i4.pp1-1x. 2. M.K. Vathsala and S.C. Lingareddy, "Comprehensive study of multilingual machine translation systems," <i>Global Research Journal (GRJ)</i>, vol. 10, no. 8, pp. 1-20, 2024. doi: 10.37897/GRJ.2023.V10I8.24.514027. 3. Vathsala.M.K.,Dr.Ganga Holi,&quot;RNN based machinetranslation and transliteration for Twitter data&quot;,Q2 rated journal,,DOI : 10.1007/s10772- 020-09724-9,IJST-D-20-00047R1.Published on 12 June2020. 4. Vathsala.M.K. , Sharmila Suttur C An Ensemble Machine LearningTechniques With Dolphin Swarm Algorithm For COVID-19 SentimentAnalysis Pages: 1816-1813 Webology (ISSN: 1735-188X)Volume 18, Number 6, 2021 5. M. K. Vathsala , Srividhya Ravichandran, and Nidhi C. Patel,&quot;A Survey on Multilingual Code Switching in Social Groups&quot;,Journal of Computational and Theoretical Nanoscience Vol. 17, 1–4, 2020. 6. Shradda Kannan,Vathsala.M.K.&quot;Application of Natural Language Description in the creationOf an Animation&quot;, ERCICA 7. Vathsala.M.K., Kaavya.M.S., Pramod.S. "Probabilistic Packet Marking Algorithm",presented and published in National conference on Computing,Communication and Technology(CCT-2010) 22 nd and 23 rd Jan 2010 at RVCE, Bengaluru 8. Vathsala.M.K., "Virtualization" presented in National conference on the theme of "Cloud Computing- An Emerging Technology", held on 17 th and 18 th March,2011 at Guru Nanak Institutions, Hyderabad. 9. Vathsala.M.K., Naveenkumar.H.T. "Virtualization : Current and Future Technology"presented in "National Conference on Emerging Trends in Electronics and communications" held on 19 th ,20 th and 21st April 2012,NCTEC-2012
Patents	<ol style="list-style-type: none"> 1.Humanoid Robot System for assisting elder people 2. Voluntary data collection mechanism from the general public and detection for covid symptoms
Book/Book Chapters	-