Dr. KEERTHI KUMAR H M

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Google Scholar Research Gate Scopus Publons

Research Interests	Pattern Recognition, Machine Learning, Text Mining, Sentiment Analysis
Education:	• Ph.D in Computer Science, University of Mysore, Mysuru (2015-2019) • M.Tech in Software Engineering, SJCE – VTU, Mysuru (2008-2010) • B.E in Information Science and Engineering – VTU, VVIET, Mysuru (2003-2007)
Teaching Experience:	• Associate Professor, Department of Computer Science & Engineering, Malnad College of Engineering, Hassan, India – May, 2022 to Till Date • Associate Professor, Department of Information Science & Engineering, Yenepoya Institute of Technology Moodbidri, Mangalore – September, 2019 to May, 2022 • Assistant Professor, Department of Information Science& Engineering, Yenepoya Institute of Technology, Moodbidri, Mangalore – July, 2019 to August, 2019 • Assistant Professor, Department of Information Science & Engineering, Canara Engineering College, Mangalore – July, 2013 to November, 2015 • Assistant Professor, Department of Computer Science & Engineering, P A College of Engineering, Mangalore – October, 2011 to July, 2013
Achievements and Awards:	• VTU Research Supervisor Recognition in COMPUTER SCIENCE AND ENGINEERING Ref No: VTU/BGM/Aca/Ph.D./2020 – 21/10139 dated 22 Jan 2021. • Qualified in GATE-2015 with gate score 306 and 19490 all India rank • Received University Grants Commission (UGC)- Rajiv Gandhi National Fellowship: Awarded from Government of India, Letter no: F1-17.1/2016-17/RGNF-2015-17-SC-KAR-6370/(SA-III Website), JSSRF (University of Mysore), Karnataka, India • Reviewer – Knowledge and Information Systems, Artificial Intelligence Review (AIRE), Journal of Big Data, Memetic Computing, Journal Informatika, Inform: Jurnal Ilmiah Bidang Teknologi Informasi dan Komunikasi • Reviewer – International Conference on "Artificial Intelligence and Data Engineering 2019 (AIDE 2019)" [Springer series] jointly organized by RITSUMEIKAN University and NMAMIT, Nitte, Udupi, Karnataka, India • Reviewer – IEEE International Conference on Applied Intelligence and sustainable Computing (ICAISC -2023) organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad, Karnataka. • Reviewer – IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023) organized by Sharnbasva University, Kalaburagi, Karnataka.

	• KSCST – 44th series project grant of Rs. 3500/- for student project & awarded Best Project. • Co-PI for ATAL-FDP grant of 3,50,000/- entitled "Research Avenues in Periocular Biometric Recognition".
Professional Membership:	• Member of Indian Society for Technical Education (MISTE) – LM 102055 • International Association of Engineers (IAENG) – 137756
MOOC Courses:	• Innovation, Business Models and Entrepreneurship – NPTEL [8/10/2022] • Innovation Ambassador (IA) training 'Foundation Level' – MoE's innovation Cell & AICTE [27/09/2022] • Neural Networks and Deep Learning – Coursera (Online) DeepLearning.AI [22/12/2021] • Text Retrieval and Search Engine – Coursera (Online) University of ILLINOIS [19/05/2021] • Business Analytics for Decision Making - Coursera (Online) University of Colorado [24/07/2020] • Introduction to HTML5 - Coursera (Online) University of MICHIGAN [5/06/2020] • Programming for Everybody: Python – Skillzcafe (Online) [30/04/2020] • Learn Data Science Tutorial – SkillzCafe (Online) [30/04/2020] • Python for Data Science and Machine Learning Bootcamp – Udemy (Online) [12/04/2020]
International Journals:	• H M Keerthi Kumar and B S Harish, 2018. "A New Feature Selection Method for Sentiment Analysis in Short Text", Journal of Intelligent Systems [JISYS], (Scopus, DBLP, Web of Science), DOI: 10.1515/jisys-2018-0171 • H M Keerthi Kumar, et al., 2018. "Sentiment Analysis on IMDb Movie Reviews Using Hybrid Feature Extraction Method", International Journal of Interactive Multimedia and Artificial Intelligence [IJIMAI] (DOAJ, DBLP, Web of Science, WorldCat), Vol. 5, No. 5, pp. 109-114, DOI:10.9781/ijimai.2018.12.005 • H M Keerthi Kumar, et al., 2019. "Exploiting RLPI for Sentiment Analysis on Movie Reviews", Journal of Advances in Information Technology [JAIT] (CrossRef, DOAJ, Google Scholar), Vol. 10, No. 1, pp. 14-19, DOI:10.12720/jait.10.1.14-19 • H M Keerthi Kumar and B S Harish, 2019. "Automatic Irony Detection using Feature Fusion and Ensemble Classifier", International Journal of Interactive Multimedia and Artificial Intelligence [IJIMAI] (DOAJ, DBLP, Web of Science, Google Scholar, WorldCat), Vol. 5, No. 7, pp. 7, DOI: 10.9781/ijimai.2019.07.002 • H M Keerthi Kumar et al., 2019. "A Detailed Survey on Topic Modeling for Document and Short Text Data", International Journal of Computer Applications [IJCA] (0975 – 8887) (ProQuest, Google Scholar, WorldCat), Vol. 178, No. 39, pp. 1, DOI: 10.5120/ijca2019919265 • H M Keerthi Kumar et al., 2020. "Home Security Using Object Detection and Face Recognition", International Research Journal of Engineering and Technology (IRJET) (DRJI, Mendeley, Google

	Scholar), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol. 07, No. 6, pp. 4528.
	• H M Keerthi Kumar et al., 2021. "Clinical Text Classification for Covid-19: An Empirical Evaluation", International Journal of Advance in Engineering and Management (IJAEM) (Google Scholar, Jour Informatics, CiteseerX), ISSN: 2395-5252, Vol. 3, Issue 7, pp. 2579, DOI: 10.35629/5252-030725792584
	• H M Keerthi Kumar and N. Sankarsh, 2014. "Effective Enhancement of Human Robot Interaction on Hand Drawn Maps", Artificial Intelligent Systems and Machine Learning, CiiT, Vol. 6, No. 8, pp.1-7
International Conferences:	• Presented the paper entitled "Classification of Sentiments in Short-Text : An Approach using MSMTP measure" in the 2nd International Conference on Machine Learning and Soft Computing (ICMLSC) held at Phu Quoc Island, Vietnam during February 2nd to 4th 2018. (ACM)
	• Presented the paper entitled "Sarcasm Classification : A Novel approach using Content Based Feature selection Method" in the 8th International Conference on Advance computing & Communications (ICACC) held at Rajagiri School of Engineering & Technology, Kochi, Kerala during 13th to 15th September 2018. (Elsevier - Procedia computer science)
	• Presented the paper entitled "Classification of short text using various preprocessing Technique : A Empirical Evaluation" in the 5th International Conference on Advance Computing & Networking Information (ICACNI) held at National Institute of Technology Goa & Computer vision and pattern recognition, National institute of technology Rourkela during June 1st to 3rd 2017. (AISC – Springer) (Book Chapter)
	• Published the paper entitled "Classification of Amazon Book Reviews Based on Sentiment Analysis" in the 5th International Conference on Information System Design and Intelligent Applications (INDIA-2017) held at Duy Tan University Da Nang, Vietnam, June 15th to 17th 2017. (AISC – Springer)
Workshop Attended:	• Participated in webinar on "Effective Research Proposal Writing for Funding" organized by Ghousia College of Engineering, Ramanagra, Karnataka on Nov 18, 2023.
	• Participated in a Research Symposium on Synergistic Innovation, jointly organized by RNSIT, Bengaluru in Association with IEEE SPS Student Branch Chapter on Nov 17, 2023.
	• Participated in One week National Level FDP on Cloud Infrastructure (AWS) organized by Adichunchanagiri Institute of Technology, Chikkamangaluru in collaboration with Brainovision Solutions India Pvt Ltd and AICTE during 21st to 25th August 2023.
	• Innovation, Business Models and Entrepreneurship – NPTEL duration 8 Weeks - [Aug-Oct 2022]
	• Outcome Based Education – MCE, Hassan duration 1 week [19th – 23rd Sep 2022]
	• Designing and Modelling of IoT, AI & ML Systems – AICTE, ATAL Academy, Arm Education and STMicroelectronics [1 – 5th August 2022]

	• Participated in a One week Online AICTE-ISTE Sponsored Refresher Program on "Future Trends in Biomedical Engineering" organized by SVKM'S NMIMS, Mukesh Patel School of Technology Management & Engineering, Maharashtra from 8th – 14th Dec 2021.
• Participated in a 5 days "Industrial Applications of Machine Learning and Artificial Intelligence" organized by ATAL, Mainpal University, Jaipur from 6th – 10th May 2021.
• Participated in a 2 days "National Cyber Defence Summit '21 XIV Edition" Conducted by National Cyber Safety and Security Standards from 20th - 21st Aug 2021.
• Participated in a 5 days "Online Orientation Training Programme for Mentors" Conducted by NITTT, AICTE, Delhi from 5th - 9th july 2021.
• Participated in "5th National level IEEE Project Competition – 2021" Organized by IEEE Student Branch (STB17861), GSSSIETW in association with IEEE Bangalore Section and IEEE Mysore Subsection on 26th June 2021.
• Participated in a 15 days Executive Development Program entitled "Recent Advancement in Intelligent Technologies" organized by Sathyabama Institute of Science and Technology University from 25th June to 9th July 2021.
• Participated in a 3 days FDP on "Cloud Computing Technologies" organized by Multicloud4u Technologies in Association with Annai Vailankanni College of Engineering, Kanyakumari from 9th – 11th June 2021.
• Participated in a 5 days FDP on "Applied Machine Learning and Data Science" organized by ATAL, IIIT, Dharwad from 17th – 21th May 2021.
• Participated in a 1 day Workshop on "Conference Organizers Workshop" IEEE Bangalore Section, IEEE Mysore subsection and IEEE Mangalore Subsection on 16th May 2021.
• Participated in a 5 days FDP on "Data Analytics in Business" organized by Srinivas Institute of Technology, Mangalore from 3rd – 8th May 2021.
• Participated in a 4 days FDP on "Natural Language Processing For Beginners" organized by Department of Information Science & Engineering, VVCE, Mysuru from 17th – 20th March 2021.
• Participated in a 1 day Awareness Webinar on "Outcome Based Education & Accreditation for Engineering Colleges & Deemed to be Universities in Karnataka" organized by NATIONAL BOARD OF ACCREDITATION, New Delhi and VISVESVARAYA TECHNOLOGICAL UNIVERSITY, e-Learning Center, Mysuru on 16th Feb 2021
• Participated in a 6 days FDP on "NLP Techniques for Teaching Gen Z Students: Rethinking new ways of Communication" organized by AICTE – Sponsored online STTP, Phase – III, School of Management, Sri Ramakrishna College of Arts and Science, Coimbatore from 1st – 6th Feb 2021.
• Participated in a 5 days FDP on "Artificial Intelligence" organized by ATAL, NIT Tiruchirappalli from 28th Dec 2020 – 1st Jan 2021.

	- Participated in a 5 days FDP on "Internet of Things, Big Data Cloud – IBDC 2020-Phase III" organized by AICTE Online STTP IBDC 2020 – Phase III, Dept. of ISE, CMRIT, Bangalore from 21th Sep 2020 – 26th 2020. - Participated in a 3 days FDP on "NLP and Related Technologies" organized by Department of ISE, NMAM IT, Nitte, Karkala, Udupi from 9th July – 11th July 2020. - Participated in a 4 days FDP on "Image Processing and Data Science" organized by Dept. of CSE, Canara Engineering College, Mangalore from 26th June – 29th June 2020. - Participated in IIC Online Sessions on "Innovation, IPR, Entrepreneurship, and Start-ups among HEIs" organized by MHRD's Innovation Cell, New Delhi from 28th April – 22nd May 2020. - Participated in a 5 days FDP on "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 2nd May – 6th May 2020. - Participated in a 15 days FDP on "Latex (IITB – Spoken Tutorial)" organized by Gopalan College of Engineering and Management from 17th April – 30th April 2020. - Participated in a 2 Week National Workshop & Summer School on "Advance in Deep Architectures for Signal, Image and Vision Applications" organized by Computer Vision & Biometrics Lab (CVBL), Indian Institute of Information Technology - Allahabad from July 14th - 28th, 2018. - Participated in a 3 day workshop on "Foundation Course on Data Analytics & Learning" held during 5th and 7th of July 2018 at Sri Jayachamarajendra College of Engineering, Mysuru, organized by the Department of Information Science & Engineering and sponsored by Technical Education Quality Improvement Program (TEQIP) Phase III. - Participated in a 2 day Workshop on "Machine Learning" organized by Department of Studies in Computer Science, University of Mysore, Mysuru, from March 28th & 29th, 2018. - Participated in a 2 Week Course on "Natural Language Processing and Text Analytics" organized by Sri Jayachamarajendra College of Engineering, Mysore, from January 15th to 26th, 2018. - Participated in a 5 day Workshop on "Multimedia Data Analysis" organized by Sri Jayachamarajendra College of Engineering, Mysore, during April 26th to 30th, 2016. - Participated in a 5 day Workshop on "Deep Learning and Applications" organized by Indian institute of technology, Kanpur, India, during January 12th to 16th, 2017. - Participated in a 3 day Workshop on "Soft Computing Techniques to Pattern Recognition 2016" organized by Department of Studies in Computer Science, University of Mysore, Mysuru, during Nov 3rd to 5th, Nov 2016. - Participated in a 5 day Workshop on "Advance in Pattren Recognition: An approach through MATLAB" organized by Sri Jayachamarajendra College of Engineering, Mysore from Aug 31st to 4th, Sep 2016.

	- Participated in a one day Workshop on "How to do Good Ph.D.?" organized as a part of Second International Conference on "COGNITIVE COMPUTING & INFORMATION PROCESSING (CCIP 2016)" by Sri Jayachamarajendra College of Engineering, Mysore, on August 10th, 2016. - Participated in a 2 day Workshop on "Research Avenues in Biometric and Forensic Science" organized by Sri Jayachamarajendra College of Engineering, Mysore, during June 24th & 25th, 2016. - Participated in a one day Workshop on "Authors Workshop on Publish or Perish" organized by Sri Jayachamarajendra College of Engineering, Mysore, on 26th March, 2016. - Participated in 3 days workshop on "The Difference Maker" organized by Canara Engineering College, Mangalore on 13st Oct to 15th Oct 2015.