



NAME: Dr. KUMUDAVALLI M V

DESIGNATION: PROFESSOR & DEPUTY

DIRECTOR

QUALIFICATION: MSc, MPhil, PhD

TEACHING EXPERIENCE: 18 Yrs.

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AREA OF INTEREST

Data Analytics, Computer Networks, Statistics, Operations Research, Bioinformatics

SUBJECTS TAUGHT

Data Communication Networks, Research Methodology, Data Analytics, Design and Analysis of Algorithms, Quantitative Techniques, Statistical Analysis, Operating Systems, Unix.

NO. OF CERTIFICATIONS

40

PAPERS

PRESENTED

[NATIONAL & INTERNATIONAL]

- Noise to Voice a Denoising attempt to enhance the audio for regional music Kumudavalli M.V Sharwari N Murthy International Conference " Recent Developments in Science, Technology, Engineering and Management " ICRDSTEM 2023 24th & 25th Mar 2023.
- Consequences of Hacking using OMG cables and its security issues Gunav Aruna Devi Kumudavalli M.V International Conference " Recent Developments in Science, Technology, Engineering and Management " ICRDSTEM 2023 24th & 25th Mar 2023
- Gendroid- a conceptual Bio-info android app and its challenges Manjunath Kumudavalli M V Marzan Yogendra International Conference on Prominent Challenges in Information Technology - 2023, ICPCIT'23 6th Feb 2023
- Contemplating the Prospective techno tool challenges to combat plagiarism for Sanskrit language Kumudavalli M.V Vaibhavi Warik Fizara Anjum Aruna Kumari International Conference on Recent Advancements in Commerce Management and Technology (ICRACMT 2022) 16th & 17th Dec 2022, DSCASC
- Cumulating the Projective Challenges to be grappled in the transformation process from village to a Smart Village Madhura S R

	<p>Kumudavalli M.V Sushmitha Warik International Conference on Recent Advancements in Commerce Management and Technology (ICRACMT 2022) 16th & 17th Dec 2022, DSCASC</p> <ul style="list-style-type: none"> ➤ Smart Irrigation through Low Cost Technology Aruna Devi Kumudavalli M V Megana Jadhav One Day National Conference on Modern Trends in Commerce, Management and Information Technology – 2022 2nd Dec 2022, DSCASC ➤ 3D Metric approach to study the factors affecting student’s psychology on Education Kumudavalli M.V Anagha S Kulkarni, G. Ambrish UGC Sponsored One Day National Conference on Advances in Computer Science and Engineering 6th April 2018, Govt. Science College ➤ Application of Deep Learning Technique for automatic data exchange with Air-Gapped Systems and its Security Concerns Dhanush V, Mahendra A R, Kumudavalli MV, Debabrata Samanta International Conference on Computing Methodologies and Communication (ICCMC 2017) – IEEE 18th & 19th July 2017, Surya Engineering College with IEEE, Erode, TN. ➤ Exception based Scanning and Assigning of Data Variables Dr. Kumudavalli Rohit Kumar, Amtul Hai UGC Sponsored Two Day National Conference on Advances in Computer Science and Engineering 16th & 17th Feb 2017, Government Science College, Bangalore ➤ A Journey of Cloud services Raniket Ram, Reshma, Dr. Kumudavalli International Conference on Trending Researches in Engineering Science & Technology 30th Sep, 2016, Salem, India.
<p>JOURNALS [NATIONAL & INTERNATIONAL] 2018 Onwards</p>	<ul style="list-style-type: none"> ➤ Senthilkumar, V. M., Thenmozhi, S., Kumudavalli, M. V., & Yedukondalu, U. (2023). Hybrid statistical and recurrent neural network architecture implementation in FPGA device used for severe acute respiratory syndrome coronavirus detector. <i>Journal of Intelligent & Fuzzy Systems</i>, 1-14. (SCI) ➤ Thenmozhi, S., Lakshmi, R. J., Kumudavalli, M. V., Ibrahim, I., & Mohan, R. (2021). A Novel Plant Leaf Ailment Recognition Method using Image Processing Algorithms. <i>Journal of Scientific & Industrial Research</i>, 80(11), 979-984. (SCI) ➤ Nagaveni B and Harsha Naik Kumudavalli M V (2021). Significance of Mapreduce Tools in Bioinformatics. <i>Indian Journal of Natural Sciences</i>, 12(66), 31839-31842. ➤ Kumudavalli, M. V., & Venkatesh, G. (2021, February). Cloud computing based monolithic to containerization using elastic

	<p>container service for phylogenetic analysis. In <i>2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)</i> (pp. 1540-1543). IEEE.</p> <ul style="list-style-type: none"> ➤ Anagha S Kulkarni Kumudavalli M.V Vanitha. (2019), Student Psychometric Analysis through Machine Learning. <i>International Journal of Computer Science and Engineering</i>. 7(9), 1-3. ➤ Rohit Bohra Pankaj Karki Kumudavalli M V. (2019), A Comparative Model of Feature Engineering with and Without Domain Knowledge. <i>International Journal of Computer Science and Engineering</i>. 7(9), 981-984. ➤ Kumudavalli, M. V., Kulkarni, A., & Ambrish, G. (2019), 3D Metric approach to study the factors affecting student’s psychology on Education. <i>International Journal of Computer Science and Engineering</i>, 7(2), 981-984. ➤ Aruna Devi. T Kumudavalli M.V Sudhamani, (2018), A Comparative Case Study of Business Process Model with Petri Nets and Process Activity Diagram, <i>International Journal of Computer Science and Engineering (IJCSE)</i>, 6(11), 565-570.
<p>BOOK CHAPTERS PUBLISHED</p>	<ul style="list-style-type: none"> ➤ Kumudavalli, Rayan, T., & Sandeep, S. C. (2022). Machine learning IDS models for 5G and IoT. <i>Secure Communication for 5G and IoT Networks</i>, EAI/Springer Innovations in Communication and Computing, 73-84. ➤ Sandeep, S. C., Rayan, T., Kumudavalli, & Kumar, S. (2022). Case Studies on 5G and IoT Security Issues from the Leading 5G and IoT System Integration Vendors. <i>Secure Communication for 5G and IoT Networks</i>, EAI/Springer Innovations in Communication and Computing, 197-212. ➤ Debalin Sarkhel Dhanashree Kumudavalli M V Dac-Nhuong, (2019), GUI Based Percentage Analysis for Curing Breast Cancer Survivors, <i>Frontiers in intelligent Computing: Theory and Applications- Springer Link, AISC</i>, Vol. 1013, PP 319-327.

FDP ATTENDED

- ❖ FDP on Shaping an Artificial Intelligence & Machine Learning curriculum.
- ❖ FDP on Emotional Intelligence
- ❖ Programming, Data structures and Algorithms using Python.
- ❖ Reinforcement Learning
- ❖ Learning Analytics Tools
- ❖ Capacity Building for Teachers
- ❖ AWS Educator – AWS Cloud Practitioner
- ❖ FDP on Data Science using R.
- ❖ Short-Term Course on Data Science
- ❖ CompTIA Certmaster Learn for Network+
- ❖ Workshop on Embedded systems and IoT in Agriculture
- ❖ Faculty Development Program in Artificial Intelligence Foundation
- ❖ Faculty Development Program on ICT Tools for Teaching, Learning Process and Institute
- ❖ Python Programming Workshop
- ❖ Data Science for all
- ❖ Data Science
- ❖ R Programming
- ❖ FDP on Open-source Tools for Research
- ❖ Data Science Workshop
- ❖ Certificate of Excellence in Research and Funding
- ❖ Foundational Artificial Intelligence
- ❖ Data Analyst
- ❖ Cloud Computing
- ❖ Computing using Python.
- ❖ IIOT
- ❖ IOT
- ❖ R Programming
- ❖ Cryptography & Network Security
- ❖ Data Science for Engineers
- ❖ CompTIA IT Fundamentals

MEMBERSHIPS

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