



Faculty Name	Dr. Vanishree Moji	
Academic Designation	Assistant Professor	
Educational Qualification	Ph. D	
Experience in Teaching & Industry	15 & 3	
Date of Joining	03-08-2026	
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Educational Details

Ph. D (Image and Video Processing)
M. Tech (Digital Electronics & Communication Systems)
B.E (Electronics & Communication Engineering)

Professional Experience

Teaching Experience 15 years
Industry Experience (on IPRs) 3 years

Publications

1. Vanishree Moji et al, "Dual interactive Wasserstein GAN fostered offset based in-loop filtering for HEVC," Informatica, vol. 49, no. 33, September 2025. <https://doi.org/10.31449/inf.v49i33.8260>
2. Vanishree Moji et al, "Enhancing In-loop Filter of HEVC with Integrated Residual Encoder-Decoder Network and Convolutional Neural Network," International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol.17, No.4, pp. 49-67, August 2025. <https://doi.org/10.5815/ijigsp.2025.04.04>
3. Vanishree Moji et al., "Adaptive In-loop Filter for High Efficiency Video Coding using Deep Learning Technique," International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.13, Issue 7, pp.414-421, July 2025, Available at: <http://www.ijcrt.org/papers/IJCRTBE02054.pdf>

4. Vanishree Moji et al, "Adaptive and efficient hybrid in-loop filter based on enhanced generative adversarial networks with sample adaptive offset filter for HEVC/H-265," Periodica Polytechnica Electrical Engineering and Computer Science, 67(2), 216–228, 2023. <https://doi.org/10.3311/PPee.20881>

5. Vanishree Moji et al, "A Survey on In-Loop Filters of High Efficiency Video Coding Standard," 2018 International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECOT), Mysuru, India, 2018, pp. 11891193, IEEE. <https://doi.org/10.1109/ICEECOT43722.2018.9001558>

International Conferences Attended:

- "Adaptive In-loop Filter for High Efficiency Video Coding using Deep Learning Technique", International Conference on Recent Challenges and Innovations in Engineering Science and Technology (ICRIET-2025) organized by K S Institute of Technology, Bengaluru – 560 109, India, May 2025.
- "Deep Learning based In-Loop Filter for Video Coding: A Review", 2nd International Conference on Sustainable Business Practices and Innovative Models (ICSBPIM-2025) organized by School of Business and Management at CHRIST (Deemed to be University), Delhi NCR, India, Apr 2025.
- Participated in the 2020 International Conference on Signal Processing and Communications (SPCOM) organized by Indian Institute of Science (IISc), Bengaluru, India, Jul 2020.
- "A Survey on In-Loop Filters of HEVC Standard", 3rd IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT-2018) organized by GSSS Institute of Engineering & Technology for Women, Mysuru, India, Dec 2018.
- Participated in Fifth International Conference on Signal and Image Processing (ICSIP) organized by BNM Institute of Technology, Bengaluru, India, Jan 2014.

National Conferences:

Not Applicable

Awards

Not Applicable

Academic Activity

Teaching, R & D, NBA/NAAC/ISO activities,
Registered Patent Agent, Patent Drafting/Prosecutions
IPR/other related Session's resource person

Faculty Development Activity/Workshops

- Online FDP on "Image and Signal Processing" organized by JSS Academy of Technical Education, Bengaluru, Jan 2021.
- Short Term Training Program on "Industry 4.0" organized by ACS College of Engineering, Bengaluru, Dec 2020.
- Online FDP on "Contemporary Research Trends in Electronics & Communications and Computer science" organized by VTU, Centre for Postgraduate Studies, Kalaburagi, in association with IETE, Jul 2020.
- Online FDP on "Python" jointly organized by JSS Academy of Technical Education, Noida and IIT, Bombay in collaboration with ICT, MHRD, Jun-Jul 2020.
- National-Level Workshop on "Image Classification using MATLAB" conducted by JAIN Deemed to be University, Bengaluru, May 2020.
- Online Workshop on "IEEE Reference Management Tool for Research Articles and Thesis Writing" organized by IEEE Bangalore Section Researchers Forum, May 2020.
- Three-day Workshop on "Research Methodologies & Latex" organized by VTU eLearning Centre, Mysuru at Don Bosco Institute of Technology, Bengaluru, 10th to 21st June 2019.
- Workshop on "Research Methodology" organized by KSTA, DST, GoK, Bengaluru, July 2017.
- Workshop on "Quality Awareness and Management" conducted by the IETE, Bengaluru, Feb 2017.
- Symposium on "Women Empowerment" organized by VTU Regional Office, Bengaluru, Feb 2016.
- FDP on "Sustainable Research" organized by Raja-Rajeswari College of Engineering, Bengaluru, Jan 2016.
- FDP on "Current Trends in Digital Image Processing and its applications" organized by MS Ramaiah Institute of Technology, Bengaluru, Jan 2016.
- FDP on "Leadership, Interpersonal Skills, Align to Win, High-Impact Presentation Skills" conducted by CSIA (Unit of RRG), Bengaluru, Jan 2015.
- Workshop on "Navigation Guidance & Control" organized by RV College of Engineering, Bengaluru, Jul 2013.
- Workshop on "Advances in Wireless Communication Networks" organized by RL Jalappa Institute of Technology, Doddaballapur, Apr 2010.

- Workshop on “High Impact Teaching Skills” conducted by Mission10X, Wipro at Global Academy of Technology, Bangalore from 14th Dec to 18th Dec 2009.
- Short Term Training Program on “Principles of Effective Teaching for Engineering College Teachers” conducted by Global Academy of Technology, Bangalore from 2nd Aug to 14th Aug 2004.
- Certification Course on “VLSI & VHDL Designs” conducted by SiMS Bangalore at STJIT, Ranebennur from 31st Dec 2000 to 31st Jan 2001.

Contact Details

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