Parimala Kancharla

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Research Interests	Computer Vision, Deep Learning, Machine Learning, Generative Adversarial Networks, Video Generative Models, Video Frame Prediction, Video Quality Assessment.
Education	**Indian Institute of Technology, Hyderabad** Ph.D. Communications and Signal Processing, 2017 – December, 2021 **Indian Institute of Technology, Hyderabad** M.Tech. Communications and Signal Processing, 2015 – 2018 (CGPA - 9.33/10) **RGUKT, Basar** B.Tech. Electronics and Communication Engineering, 2011 – 2015 (CGPA - 9.12/10) **RGUKT, Basar** PUC, 2009 – 2011 (CGPA - 9.57/10)
Work Experience	**Assistant Professor, Indian Institute of Technology, Mandi (Nov 2022 - Present)** **Research Scientist, Intel Labs, Bangalore** (Sep 2021 - Nov 2022) **Research Intern, Intel Labs, Bangalore** (May 2020 - July 2021) **Graduate Research Assistant, IIT Hyderabad** (August 2015 - July 2017)
Journals	⋄ P. Kancharla, S. S. Channappayya, "Completely Blind Quality Assessment of User Generated Video Content," IEEE Transactions on Image Processing. DOI: 10.1109/TIP.2021.3130541 (Impact Factor =10.856) ⋄ P. Kancharla, S. S. Channappayya, "Improving the Visual Quality of Video Frame Prediction Models Using the Perceptual Straightening Hypothesis," IEEE Signal Processing Letters. DOI: 10.1109/LSP.2021.3118639.
Conference Publications	⋄ Parimala, Kancharla, and Sumohana S. Channappayya. "Quality Aware Generative Adversarial Networks." In Advances in Neural Information Processing Systems, pp. 2948-2958. 2019. (Impact Factor=16.54,h5-index=245) ⋄ P. Kancharla, S. S. Channappayya, "Improving the Visual Quality of Generative Adversarial Network (GAN) - generated Images Using the Multi-scale Structural Similarity Index", In 25th IEEE International Conference on Image Processing (ICIP)(pp.3908-3912).2018 ⋄ P. Kancharla, S. S. Channappayya,"A weighted optimization for Fourier Ptychographic Microscopy," Proc. of NCC 2019, IISc Bangalore, February 2019. ⋄ F. K. Joseph, A. Arora, P. Kancharla, M. K. A. Singh, W. Steenbergen, S. S. Channappayya "Generative adversarial network-based photoacoustic image reconstruction from bandlimited and limited-view data," Proc. SPIE Photons Plus Ultrasound: Imaging and Sensing 2021
M.Tech THESIS	**Medical Image Super Resolution - Fourier Ptychographic Microscopy**
Achievements	⋄ *Super winner for Qualcomm Innovation Fellowship(QIF) -2020* for the project " Blind Video Quaity assessment " (one team out of ten winning teams of QIF 2019) (10 lakhs Grant).

⬦ *Recipient of Qualcomm Innovation Fellowship(QIF) -2019* for the project "Blind Video Quaity assessment " (10 lakhs Grant).

⬦ Received NeurIPS travel award to present our work at NeurIPS 2019 .

⬦ Participated in the IIT-H and RIKEN-AIP Joint workshop on AI .

⬦ Selected to attend Doctoral Symposium at ICVGIP 2021.

⬦ Selected to attend Google Research India Graduate Symposium 2021.

⬦ All India GATE rank 1158 in 2015.

⬦ All India 9th rank in National Creativity Aptitude Test conducted by IIT Delhi in 2012.