Dr. Prerana Mukherjee

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BRIEF BIOGRAPHY

Dr. Prerana Mukherjee is currently working as Assistant Professor, Department of Computer Science, School of Engineering, JNU. Previously, she was working as Assistant Professor, CSE at IIIT Sri City from Nov'18-Mar'20. She has been actively involved in guiding 13 B.Tech and 1 PhD student in the areas of Computer Vision and interjunction of IoT and CV. She has led as a Director an initiative named Celestini Project India 2017, 2018 2019 in collaboration with Marconi Society, Google Brain and IIT Delhi which encourages undergrad students to work on socio-economic problems in India. Under this initiative, an android app Air Cognizer was developed which helps Delhi citizens to predict the air quality index which has been showcased in TensorFlow Dev Summit 2019 and covered in leading media coverages. Apart from that, solutions to road safety in chaotic Indian traffic scenarios and air pollution forecasting in Delhi have been developed. Prior to that, she has completed her PhD'18 (IIT Delhi) on research problem statement of "Salient Object Localization and Segmentation". She has recieved M.Tech from Delhi Technological University (DTU) in 2013. She has published several papers in top-tier conferences and journals and member to several reputed professional bodies such as IEEE SPS, IUPRAI Life Member, Computer Vision Foundation (CVF) member, INSTICC member, MIR Labs.

Her research interests include broad areas of vision (2D, RGBD 3D point cloud based object localization tracking, scene analysis, remote sensing and image/video processing), Learning Problems (Generative models, deep learning, sequential modelling and transfer learning), Biometrics, Pattern Recognition, Data Mining.