

Project narrative for COVID-19 detection from chest X-ray imaging:

Project Title: COVISYM

Project Summary and Overall Approach:

“CoviSym is a graphical design-based symptomatic way to carry out a fundamental task in screening hit causes through an image classification model that divides chest X-Ray scans into three classes: Normal, Viral Pneumonia, and COVID. On a COVID-19 Radiography dataset, the ResNet-18 model—which has great classification results for X-ray images—will be trained, and Pytorch, an open-source machine learning environment, will be used to create CoviSym. Through a series of steps—diagnosis, prepossessing, segmentation, and feature extraction—different datasets on medical imaging will be compared and studied. ”