

C-CAMP nominated Aikenist start-up is using an AI-based solution to pre-screen COVID-19 patients

DBT's Bengaluru-based incubator Centre for Cellular and Molecular Platforms (C-CAMP) Bengaluru nominated Aikenist as a deployment-ready COVID-19 innovation. Aikenist has come up with an artificial intelligence (AI) tool, which distinguishes COVID-19 related pneumonia depending on the extent of damage caused to patient's lung. Healthtech startup is providing AI-based solutions for faster scanning and better detection, with quick turnaround solutions for healthcare problems. Company's cloud-hosted AI solution called Aikenist QuickDiag COVID 19 is compatible with existing digital X-ray and CT scanning machines. The chest X-ray and CT-scan images are pushed to the cloud service for diagnosis of lung abnormalities among COVID-19 patients. The start-ups claim that its scan diagnoses the issue four times faster.

Aikenist also provides AI based analysis for tumor detection and segmentation of brain, liver, pancreas, etc. AI-based radiology solution helps in detection of different extents of damage inside the lungs. AI-aided solutions help in detection of bilobular anomaly, opacities, and consolidation in a patient who might be infected with coronavirus. The cloud software analyses the images and shares the results with healthcare professionals to help them decide the next course of action. The start-up is trying to offer affordable AI solutions to scans among common masses. The health start-up is working closely with DBT's incubator C-CAMP to propose hospitals for deployment. Company is looking for completion of clinical trials and soon will bring their product in the market.

The coronavirus pandemic has posed to be one of the greatest healthcare challenges before the world. While countries across the world have stepped up efforts to carefully screen patients to avoid the spread of the coronavirus, the burden ultimately rests on the shoulders of healthcare professionals, who are risking their own lives to save others. In India, which has a population of 1.3 billion, pre-screening the public before they go for COVID-19 tests might be a good option to reduce the load on our healthcare professionals and resources.