(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/10/2022

(21) Application No.202211058956 A
(43) Publication Date : 21/10/2022

(54) Title of the invention : COVID-19 DETECTION USING CTX-COVINET

(51) International classification :A61B0006030000, A61B0006000000, G06N0003080000, A61B0005000000, G06N0003040000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
From December 2019, the world has faced the most dreadful disease Covid-19 and has suffered in multiple ways. Early detection of the disease can play a significant role for inhibiting the rise of cases. Earlier, the diagnosis of Covid-19 takes 2-3 days using RT-PCR method, which also exposes the healthcare workers to the suspected patient who can turn out to be Covid-19 positive at later stages. Also, time taken to generate the result through this method is major concern; Patient can become severely ill within that time span. So, in response, we proposed a deep learning-based model for the detection of Covid-19 using Computed Tomography & X-ray images through Convolutional Neural Network (CTX-CoviNet) which can provide results within in fraction of seconds after uploading the radiological image. The CTX-CoviNet is based on the fact that it will detect Ground Glass Opacity from chest X-ray and CT-Scan of the infected patient.

No. of Pages : 10 No. of Claims : 4