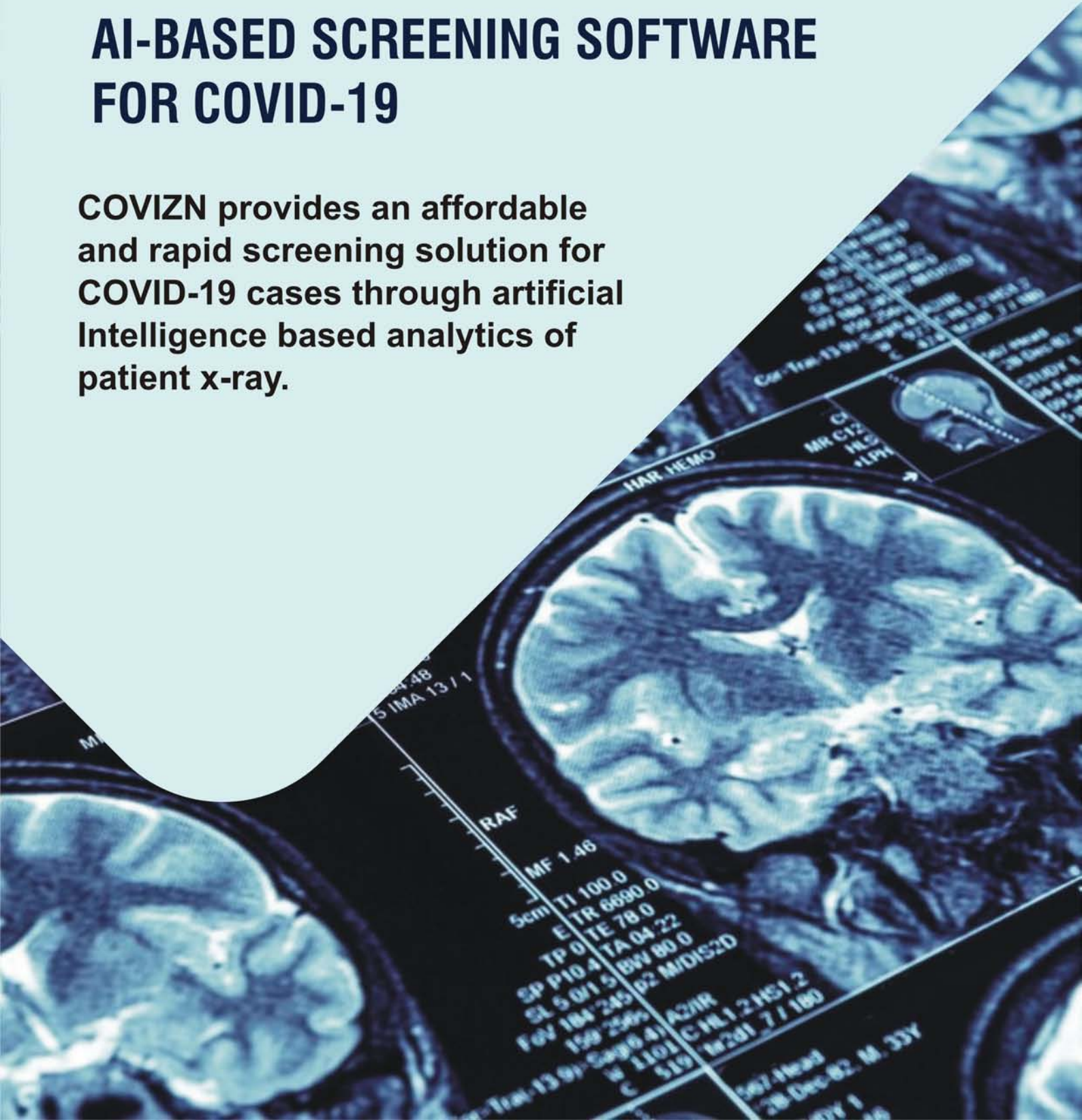
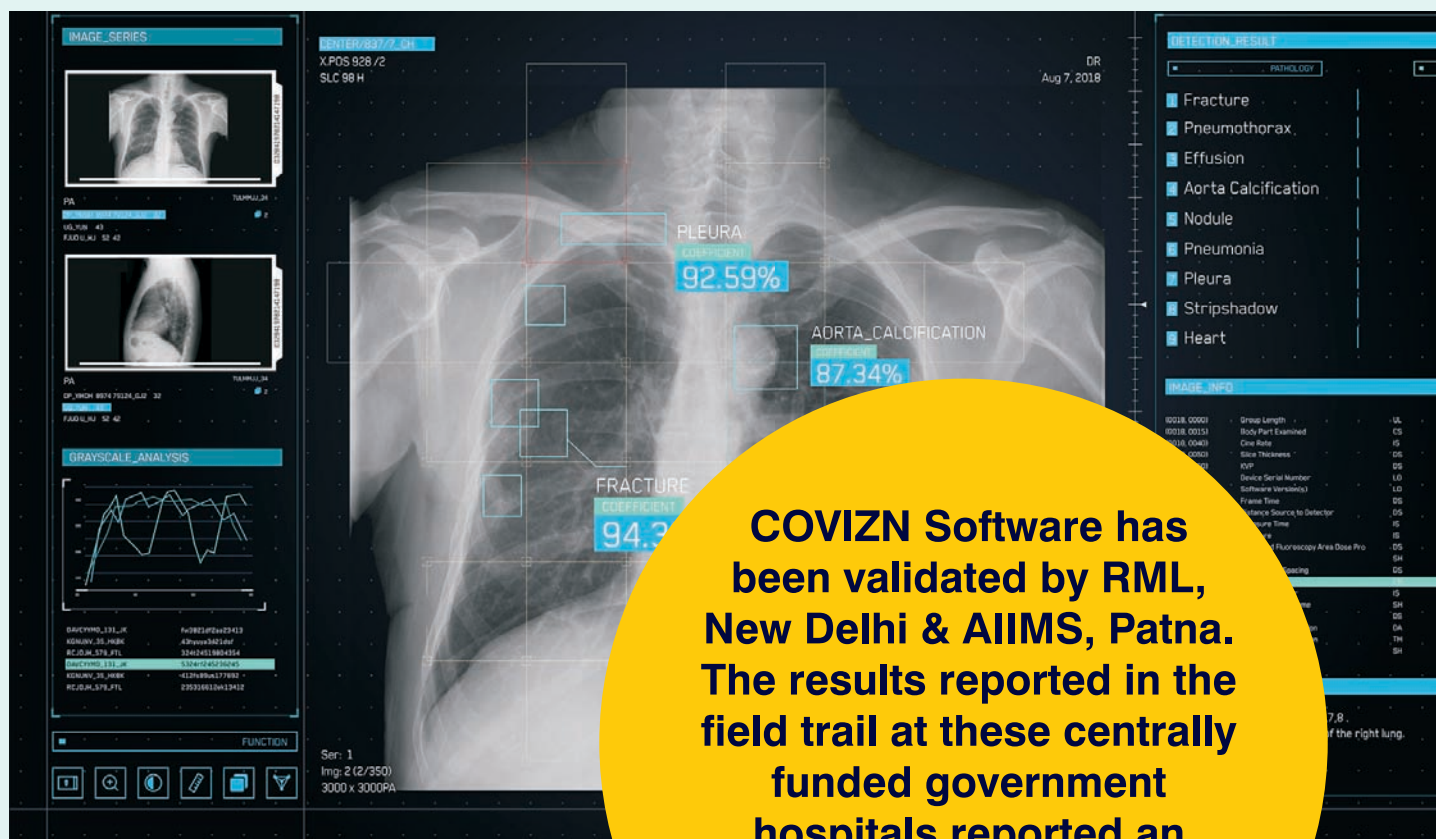


COVIZN

COVIZN provides an affordable and rapid screening solution for COVID-19 cases through artificial Intelligence based analytics of patient x-ray.





Vitti AI in collaboration with Xvizn has introduced the software to alleviate the current need for quick identification of Covid 19 infection in Lungs. The Software has been developed in association with IIIT Bhagalpur and the institution is continuously involved in improving the accuracy rate to 98 % as well as broaden the feature base of software to related lung diseases.

The Artificial Intelligence (AI) based software (Known as COVIZN), developed in 2020 can read scanned chest x-ray film or plates as well as high resolution computed tomography (HRCT) OR CT Scan uploaded to the computer is less than

- The cost of diagnosis for Covid significantly low (Approximately 300/-) in comparison to Microbiological Swab Test (RT-PCR Approximately 1200/-)

The time taken to confirm Covid cases through COVIZN is very less in

- comparison to RT-PCR & Antigen tests. In case of RT-PCR test, It takes approximately 4-6 hours for the test results in comparison to COVIZN that provides report in virtually seconds.

ADVANTAGE COVIZN

- 1** The software should be considered as primary screening tool and serve as decision support system to the doctor.
- 2** It helps in ascertaining the severity of the Covid infection in lungs and aids the Doctors/Hospital administrators to classify the confirmed Covid patients for ICU beds/Wards admission/Home isolation.
- 3** The software will reduce the burden of RT-PCRs and further will also reduce the cost for initial screening of patients.
- 4** The software can be deployed at remote locations where RT-PCRs are not available/ results are delay as per recommendations of WHO (R2.2).
- 5** The software can be employed for symptomatic patients as per recommendations of WHO (R2.2).
- 6** Since the software runs on general purpose computer (no additional infrastructure is required), it will be easy to deploy at the places where X-ray machines are available and the specialists are not qualified.
- 7** Using the solution, the detection of COVID-19 infected patients can be made faster and can be implemented on a large scale. The solution involves low-cost, since the X-ray facility is available at block level, it will be easy to deploy in remote locations.
- 8** Works as Mobile App based, Desktop Software & can be deployed on Cloud .
- 9** For software no internet access is required. It will work on standalone PC. While access to internet is required for cloud based and IP based solutions.
- 10** Takes Digital X-ray JPEG, PNG, BMP and etc. image format except DICOM format.
- 11** The time is around 1-2 second to process each X-ray and provide results. The report generated by the software can be received on telephones through SMS and emails by patients.

