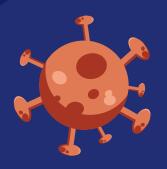


COVID-19 Patient Detection with Chest X-Ray







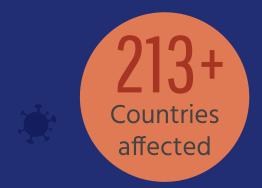


This Project is for Educational Purpose.

Diagnosing COVID-19 Patient is

NOT Advised.





29,729,993

Cases Detected



Death Cases



Source: Worldometer
Time: 15:00 (GMT+6), 16 September, 2020



341,056

Cases detected

4,802

Death Cases

10,645

Tests/1M people

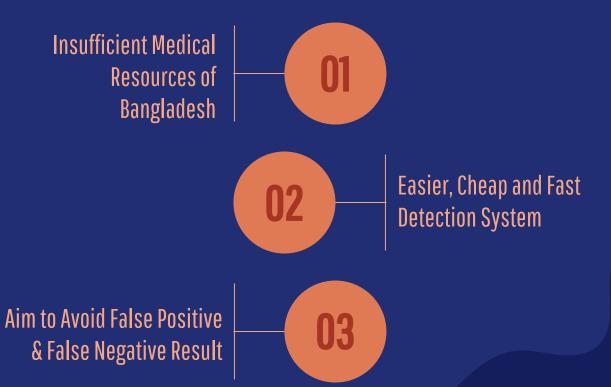
(158th among 194 countries)

Source: <u>Worldometer</u> Time: 15:00 (GMT+6), 16 September, 2020





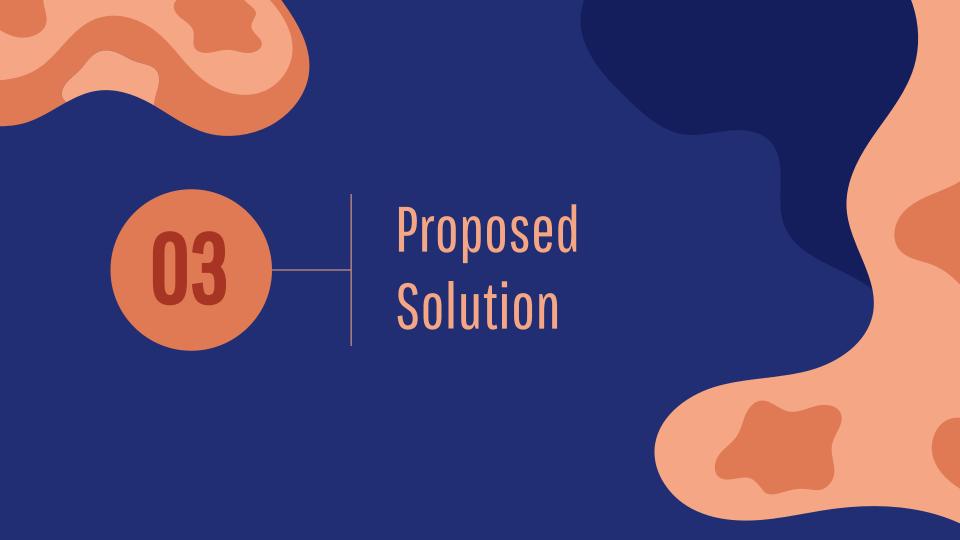
What Motivates Us?





Present Detection Processes for COVID-19

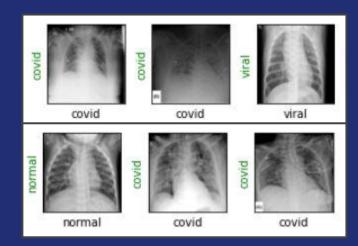








COVID - 19 Patient Detection Using Chest X-Ray





Dataset

COVID-19 Radiography Database

Source: Kaggle

Normal Patients' X-Ray

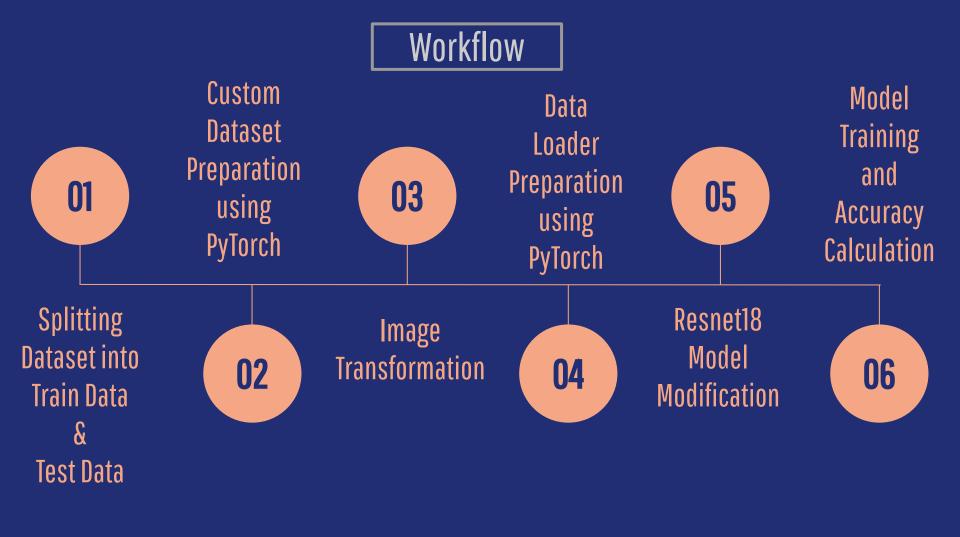
1341 images

Viral Pneumonia Patients' X-Ray

1345 images

COVID-19 Patients' X-Ray

219 images







95% + Accuracy



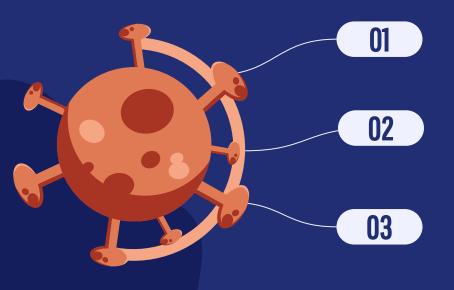






Challenges We are Facing





Imbalanced Dataset

Quick Mutation of Coronavirus

Probability of Overfitting







Demonstration

Resources

Research Paper: Can Al Help in Screening Viral and COVID-19 Pneumonia?

IEEE Access, Vol. 8, 2020, pp. 132665 - 132676

Dataset: <u>COVID-19 Radiography Database from Kaggle</u>

Slide Template: SlidesGo Coronavirus Disease

