***PNEUMONIA COVID DETECTION FROM CHEST X-RAY USING AI:-***

**LITERATURE SURVEY:-**

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| S.no | Name | Year | Authors | Pros | Cons |
| 1. | Artificial intelligence on COVID-19 pneumonia detection using chest x-ray images  **Link:-**  https://doi.org/10.1371/  journal.pone.0257884 | 2021 | Lei Ethel,  Mario Domingo,  Beatrice,  Jason Albia. | 1.Combine both low-level features and general shape of lung | 1.Require proper initialization for a successful converge |
| 2. | Viral and Bacterial Pneumonia Detection using Artificial Intelligence in the Era of COVID  **Link:-**  <https://orcid.org/0000-0003-3850-9921> | 2020 | SA Harmon,  TH Sanford,  S Xu,  EB Turk. | 1.High information suitable for big data applications. | 1.Long training process  2.Needs large set of annotated data |
| 3. | COVID-19 on Chest Radiographs: A Multi reader Evaluation of an Artificial Intelligence System  **Link:-**  [https://doi.org/10.1148](https://doi.org/10.1148/radiol.2020201874)  /radiol.2020201874 | 2020 | Tijs Samson,  Ernst  T. Scholten,  Steven,  Henk Smits,  Michael. | 1.Similar accuracy as in inter-observer performance | 1. Higher Computational complexity |
| 4. | Diagnosis of Coronavirus Disease 2019 Pneumonia by Using Chest Radiography: Value of Artificial Intelligence  **Link:-**  <https://doi.org/10.1148/radiol>.  2020202944 | 2019 | Zhang, Ran, Xin Tie, Zhang, Dalton Griner, Thomas K. Song | 1. Values of layer thickness and the length of the period of multiplayer can be selected. | 1. X-rays from the multilayer may cause a problem |