

SYNOPSIS OF THE PROJECT

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Shared folder/git repository details	https://github.com/lise1905/main_project
Project Title	Respiratory diseases recognition through respiratory sound with the help of deep neural network
<p>Description of Project:</p> <p>Deep learning could be used in the recognition of respiratory disease just from the respiratory sound. Respiratory audios are important indicators of respiratory health and respiratory disorder. The proposed system predict the respiratory diseases such as COPD(Chronic obstructive pulmonary disease), URTI(upper respiratory tract infection), Bronchiectasis, Pneumonia, Bronchiolitis with the help of deep neural networks or deep learning. The proposed system is a deep neural network model that takes in respiratory sound as input and classifies the condition of its respiratory system. It not only classifies among the above-mentioned disease but also classifies if a person's respiratory system is healthy or not.</p> <p>A deep neural network model that would learn from the features extracted from the respiratory sound to classify the condition of a respiratory system. Using the A.I. model for the diagnosis would highly reduce the extract cost and time for manual diagnosis by doctors and pharmacists.</p>	
Front end and Backend Tools	HTML Python

Date of Submission: 18/04/22