**Group No : 13**

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| **Roll No** | **Name** | **Contribution in the Project** |
| CB.SC.P2CSE23025 | KRISHNAKUMAR R |  |

**Title :** Pneumonia Detection using Deep Learning

**Problem Statement :**

Detecting pneumonia using deep learning techniques is an important task in the field of medical diagnosis. Pneumonia is a life-threatening respiratory disease that requires quick and accurate identification for effective treatment. The problem statement of this project is to develop a powerful deep learning model that can accurately and effectively detect pneumonia from medical images, such as chest X-rays or CT scans. The challenge lies in designing a system that can differentiate images of normal lungs from those with pneumonia, and classify the specific type of pneumonia, whether viral, bacterial or fungal, with accuracy. High. Additionally, the model will be able to handle diverse patient populations, taking into account differences in age, gender, and comorbidities. Addressing this issue is critical to improving patient outcomes and reducing the workload of healthcare professionals, as automated and accurate pneumonia detection systems can accelerate diagnosis. and treatment, save lives and save resources.

**Technology Details:**

**Category-1(Web Application)**

**Front-End:**

1.HTML/CSS: They are essential for creating the structure and styling of website.HTML defines the structures, while CSS is used for styling, layout, and responsive design.

**Back-End:**

1.Python: Python is often used for machine learning tasks, making it a good choice if you’re using Python-based deep learning frameworks.

**Methodology:**

