TITLE OF THE PROJECT: LUNG CANCER PREDICTION USING DECISION TREE CLASSIFIER ALGORITHM-SMLT

NAME OF THE STUDENTS: RAAGUL S, RAM KUMAR R, VINOTH KUMAR R

REGISTER NUMBERS: 211419104206, 211419104216, 211419104307

NAME OF THE GUIDE: Mrs.P.VIJAYALAKSHMI

ABSTRACT

Lung cancer is a type of cancer that begins in the lungs. The aim is to predict machine learning-based techniques for Lung cancer prediction results with the best accuracy. Lung cancer is the leading cause of cancer deaths worldwide. The analysis of dataset by supervised machine learning technique (SMLT) to capture several information like, variable identification, univariate analysis, bi-variate, and multi-variate analysis, missing value treatments and analyze the data validation, data cleaning/preprocess and data visualization will be done on the entire given dataset. To propose a machine learning-based method to accurately predict Lung cancer by prediction results in the form of pulmonary disease classification of best accuracy from comparing supervise classification machine learning algorithms. To compare and discuss the performance of various machine learning algorithms from the given dataset with evaluation classification report, identify the confusion matrix, and to categorizing data from priority and the result shows that the effectiveness of the proposed machine learning algorithm technique can be compared with the best accuracy with precision, Recall and F1 Score.