SYNOPSIS OFTHE SEMINAR

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Shared folder/git repository details	https://github.com/Vineesha235/miniproject.git
Project Title	Exercise Recommendation

Description of Project:

This system is based on machine learning and it helps to find the BMI of each individual Prediction is done in case of BMI value. Linear Regression is used to predict the BMI of every individuals. R2 Score is used for evaluating the performance of a classification model. Therefore a correct prediction is made for the BMI values. Based on these values exercises are recommended for each individual according to their body mass index values. The system will automatically predict it using the values of sex, height, weight and age. The prediction is done using the algorithm Linear Regression.

To find the precision of a linear regression we have to use R2-score. It is found using the equation R2=1-(SSR/SST).R2 is the coefficient of determination. SSR is the sum of squares of regression, SST is the total sum of squares. The sum squared regression is the sum of the residuals squared, and the total sum of squares is the sum of the distance the data is away from the mean all squared.

Front end and Backend	HTML as front end and PYTHON as back end

Date of Submission: 6-12-2021