Changing some para metros and hidden layer size

% Create and configure the neural network

hiddenLayerSize = [30, 15]; % Define hidden lauer size

net = feedforwardnet(hiddenLayerSize, 'trainlm'); % Feedforward NN with Levenberg-Marquardt algorithm

% Divide data into training, validation, and test sets

net.divideParam.trainRatio = 0.6; % 60% training

net.divideParam.valRatio = 0.2; % 20% validation

net.divideParam.testRatio = 0.2; % 20% testing

% Set training parameters

net.trainParam.epochs = 500; % Maximum number of epochs

net.trainParam.goal = 1e-5; % Performance goal (MSE)

net.trainParam.min\_grad = 1e-8; % Minimum gradient

changing parts are given above code.