Network pegradation problem generally occurs in Newral Networks when they go deepex into more layers and instead of increase in performance it gets degraded as the gradients can either varish (or burst during backpropagation.

- ResNet (Residual Network) works by learning the Residual (or) Difference between the input & output.
- I Respect ensures that gradients can specify through the network without varishing / exploxiding by Joing without varishing / exploxiding by Joing Identity mapping.

ext - recised respired

learning process where we try to

bee a Pre-Trained model, which means

it is designed trained on a large

data set, on a new small tust.

Forces on the new task.

By, Freezing the layer we can retain the learned features of the Pre-Trained model which will be helpful to increase pertornance on new small dutaset.