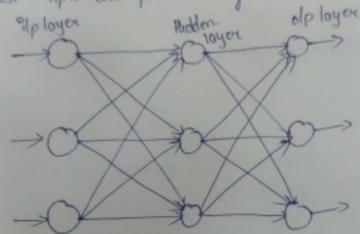
## feed forward neurial networks-

SFENN is one of the simplest fexins of ANN

-> It is an artifical neusral new wherein connectr's blue the nodes do not

form a cycle

-> Because "Ip's one processed only on forward direction



> It could be a single layer perception on multilayer perception

-> No feedback from olp to 91p

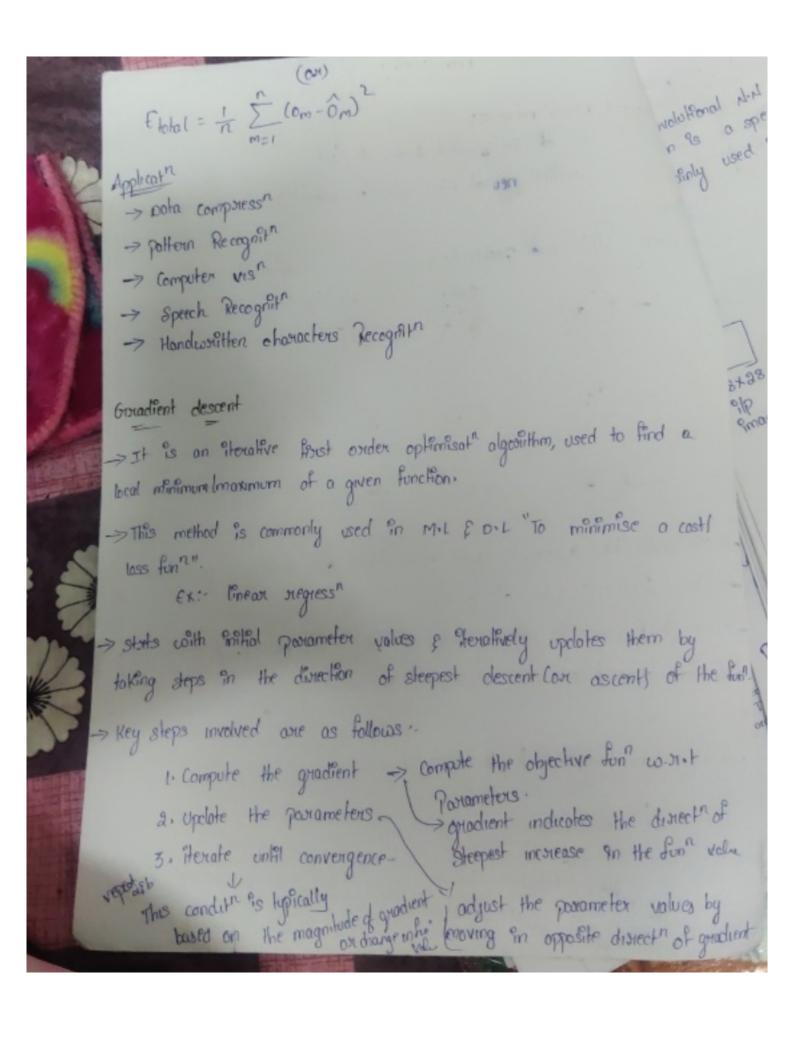
- - we don't use of where order of segn does matter. It predict only

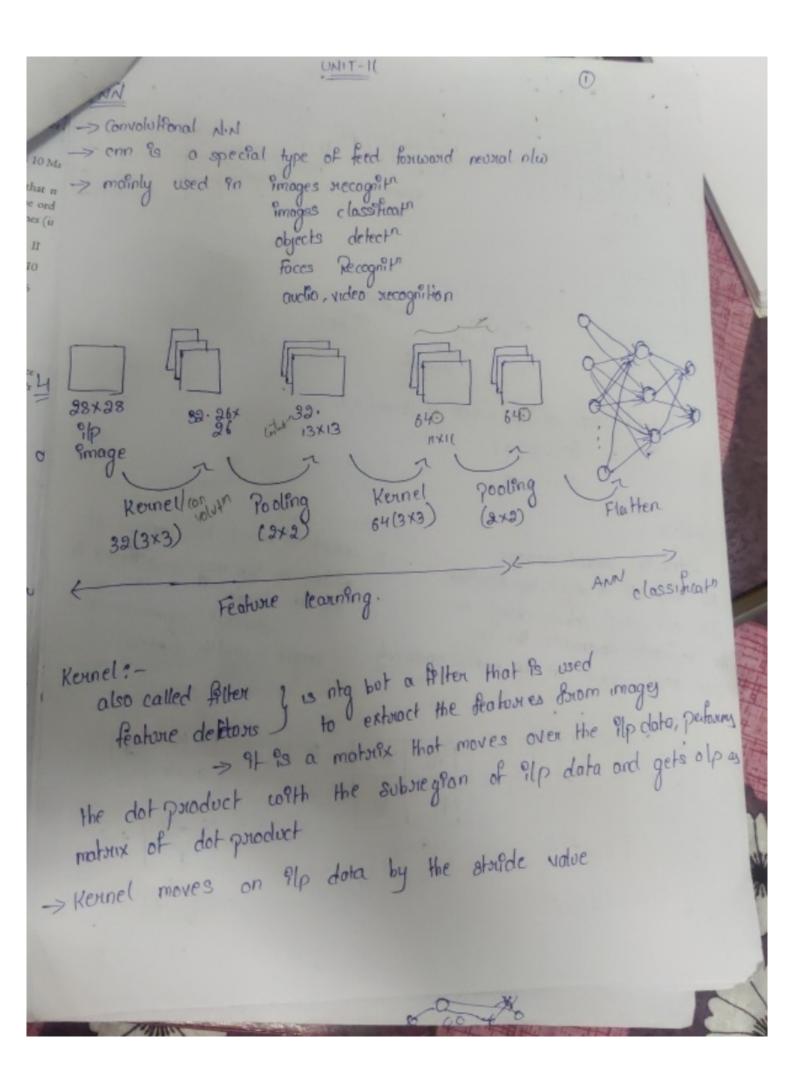
from for current node, does not depend on prievious

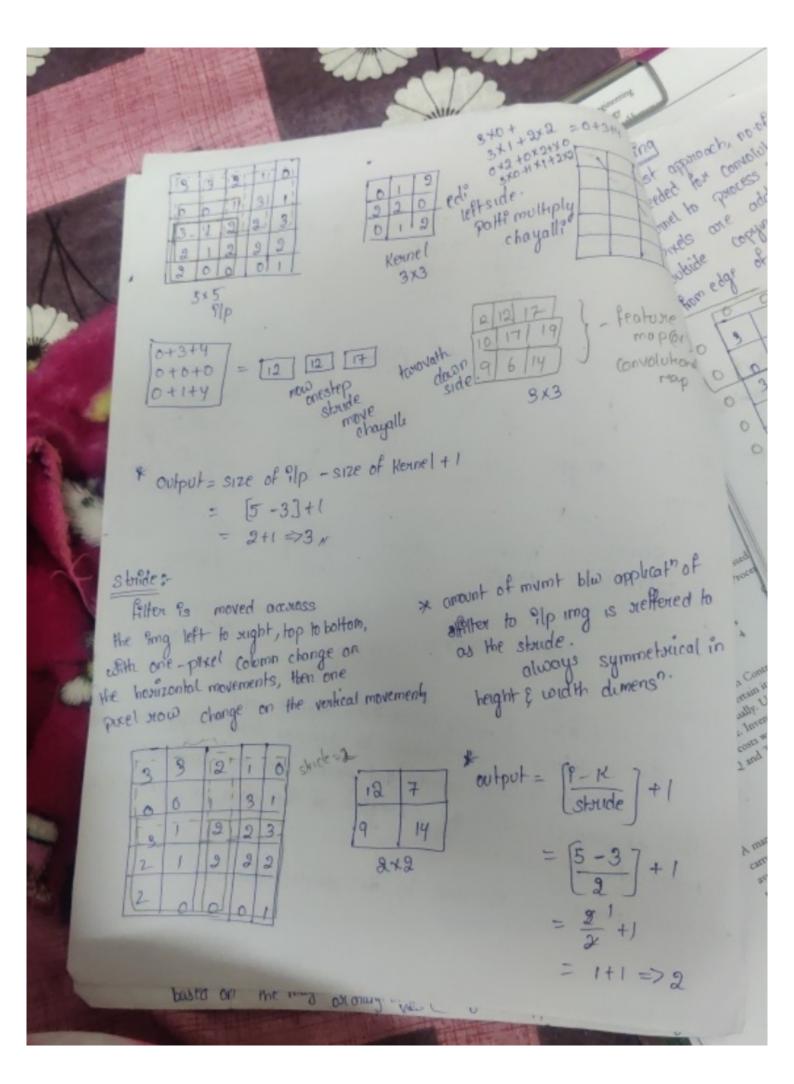
> No memoxy

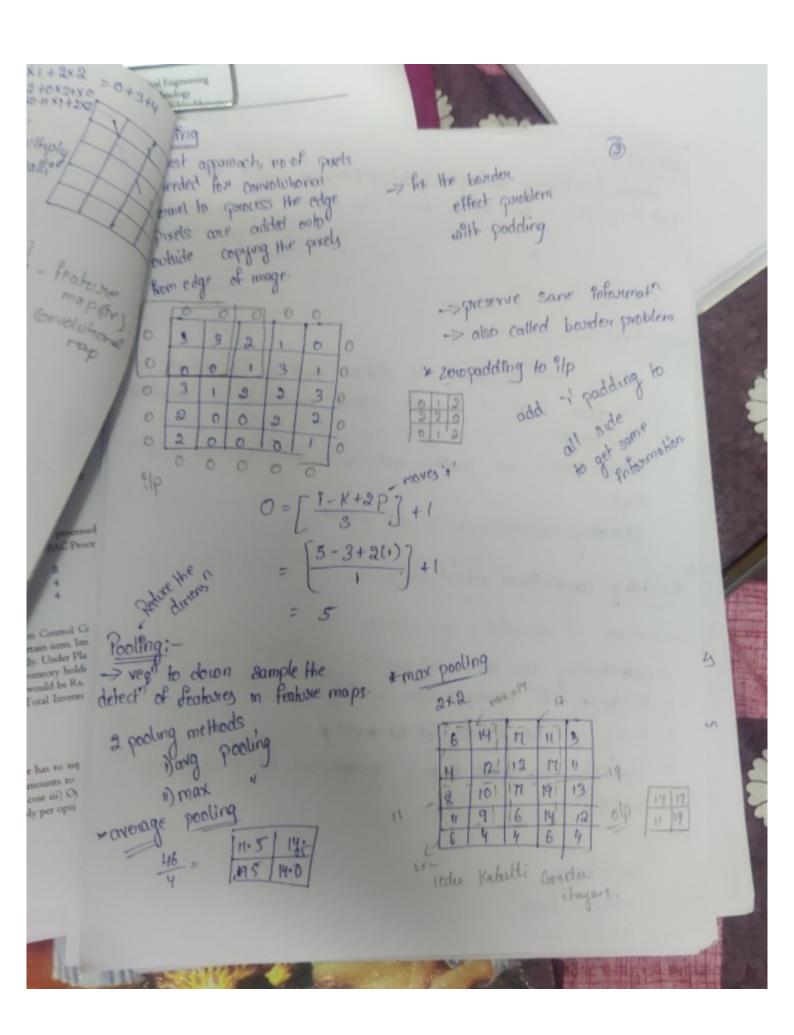
-> ilps are independent to each other

to minimize for le Flotal = 1 Total olp (actual olp - priedicted dp)









involves transforming the entire pooled feature map matrix Polo Resident Flattening Single cal which is then fed to neurial new for processing Convolutional layous; -> which is used to extract the feature from the ilp dataset. of applies a set of learnable Alters known as the Konnels to ge The images. -> filters / Kennels one smaller matrices usually 2x2,3x3 or 5x5 Shape 91p image computes with dot product Visualizing convolutional nebual nlw:impositance of visualizing can model: 1. understanding tow the model works 2. Assistance in Hyperparameter turning 3. Anding out the fallowes of the model & the decisa to be a consumer/end-user on a business 4. Explaining executive. Methods :preliminary Activation based Guadient based.

stimple methods which show us the overall structure of a trained Las the parameters so each laws ell as the parameters in each layer layer 1 Activation Based :-\* We can apply the filters to an Plp image & plot the Mesoly to see what own my Anlw is doing \* This enables us to comparchend the types of ilp patterns that trugger a specific filter. Guadient Based !used to manipulate the gradients that are formed form a forward & backward pass while freign a model

