Report.md 1/23/2022

Nirbhay Sharma (B19CSE114)

DLops lab-assignment - 2

For gpu, n_workers in the hyperparameter can be ignored and rest other parameters are as it is

Hyperparameter1: (Batchsize = 32, epochs = 10, lr = 0.001, $n_workers = 2$)

	model	gpu-accuracy	gpu-time	gpu-optim-acc	gpu-optim-time
•	Resnet18	0.9	8min 43s	0.9205	5min 20s
•	Resnet50	0.901	12min 60s	0.8821	6min 21s

Hyperparameter2: (Batchsize = 16, epochs = 10, lr = 0.001, $n_workers = 4$)

model	gpu-accuracy	gpu-time	gpu-optim-acc	gpu-optim-time
Resnet18	0.876	12min 17s	0.9123	4min 25s
Resnet50	0.871	12min 38s	0.88	5min 36s