	Date:	YOUVA
Ketes		
Keras		
1) Image classification		
MNIST - pre processed data		
Downloading dataset		
= keres dedesets fashion_m	y-test	) d_ddal^
Pre process		
1) Image normalization 2) Change in dimensionality Model		
D Convo 2D - extracts features and positions	S.	
Reras. Layers. Conv2D  CG4 Rernal-size C3,3), ad	ivation = t	relui).
rumber of filhers 3×3 matria	gives o -ve value	2
Keras. Layers. Dropout CO.5)		
Dense keras. Layers. Dense C nui activation = "Softmax"	m_dasso	ટડ્ડ
Highest probability feature	,	-

Dropoid reduces the neuron relation for better accuracy

pooling

reduces to the motion makes a new image similar to ag

Dense

model. summary() > gives parameters

Compiling model

model compile C

10 ss = Reras. Sparse Cabegorical (rossentropy (),

# binary in two dear chars

es (male, female)

optimizer = keros aptimizer.

Adam Clearning\_rate = 1e-3)

# variance in volve enil predided value vs adval volve

Adam = Root mean squared +

metrics = [ koros metrics.

Sparse Cabegorical Accuracy (name = "aco")

) # gives accuracy of model

et call book

if a criteria is mot training stops

epoch - iteration

model. Pito C x train y-train,

both size = both size,

# can't use 60,000 data at once

epochs = epochs, validation split=0.1s,

of callbacks = et callbacks)