


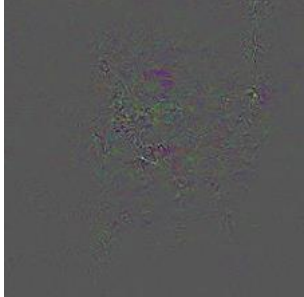
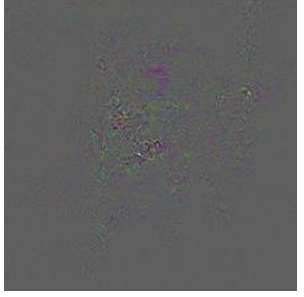
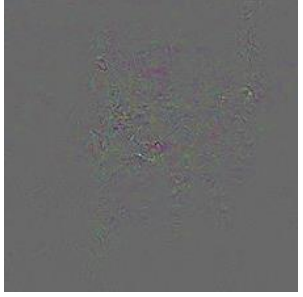
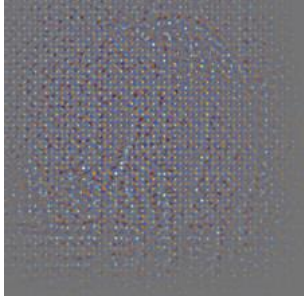
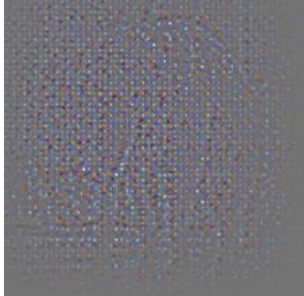
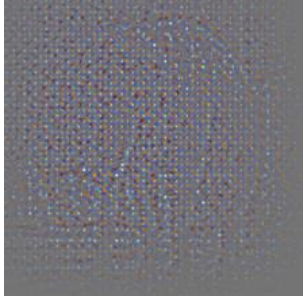


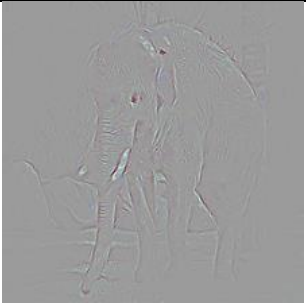





Original Image:




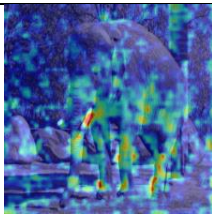
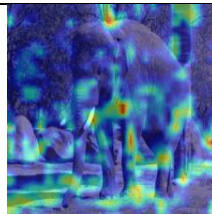
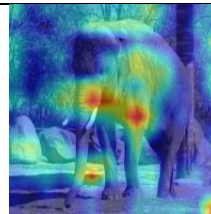

Reproduce Demo1:

Predict Class	#1 Indian_elephant	#2 tusker	#3 African elephant
Grad-CAM			
Vanilla backpropagation			
"Deconvnet"			


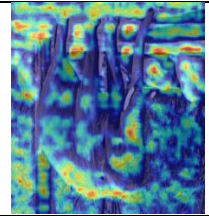
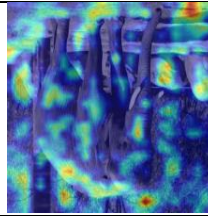
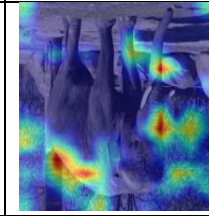
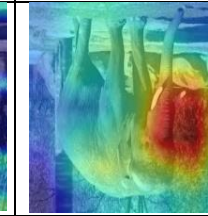
Guided back propagation			
Guided Grad-CAM			

# Demo2

Generate Grad-CAM maps for "Indian elephant" class, at different layers of ResNet-152.

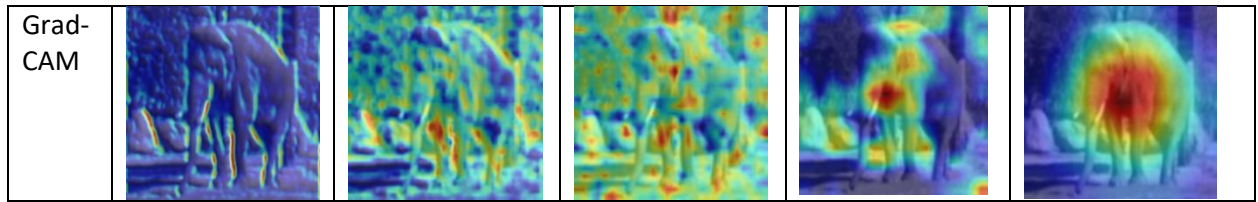
Layer	relu	Layer1	Layer2	Layer3	Layer4
Grad - CAM					

Turn the image upside down:

Layer	relu	Layer1	Layer2	Layer3	Layer4
Grad - CAM					

Blurred with Guassian filter:

Layer	relu	Layer1	Layer2	Layer3	Layer4
-------	------	--------	--------	--------	--------



The attention map is still accurate with Gaussian filter and rotation.