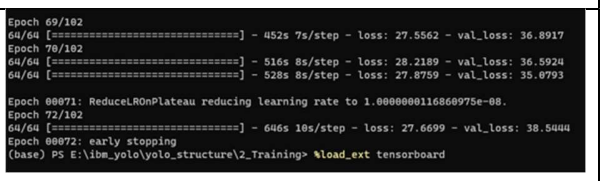
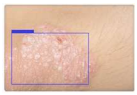
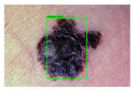
Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID53159
Project Name	Project - AI-based localization and classification of skin disease with erythema
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	The model is YOLO v3 pretrained and gain trained on our custom dataset of skin diseases. It is **a real-time object detection algorithm that identifies specific objects in videos, live feeds, or images**. And it uses features learned by a deep convolutional neural network to detect an object.	
2.	Loss	Training Loss – 27.69 Validation Loss – 38.5 (Early stopped)	
3.	Confidence Score (Only Yolo Projects)	Class Detected – Rosacea, Psoriasis & Melanoma Confidence Score –	

		61.5% for first Image (Rosacea), 87.6% for Second (Psoriasis) 83.09% for third (Melanoma)	(416, 416, 3) Found 1 boxes for img Rosacea 0.62 (160, 124) (683, 399) Time spent: 1.306sec -22.253526576474542 -12.790271922643626 Processed 1 images in 1.5sec - 0.7FPS Result: Rosacea Confidence: 61.54% (416, 416, 3) Found 1 boxes for img psoriasis 0.88 (27, 109) (318, 308) Time spent: 1.546sec 77.30558211247515 -105.28502202044177 Processed 1 images in 1.6sec - 0.6FPS  Result: Psoriasis Confidence: 87.6% (416, 416, 3) Found 1 boxes for img melanoma 0.83 (387, 113) (756, 589) Time spent: 2.051sec -9.026176998835851 154.7110427447168 Processed 1 images in 2.1sec - 0.5FPS  Result: Melanoma Confidence: 83.09%