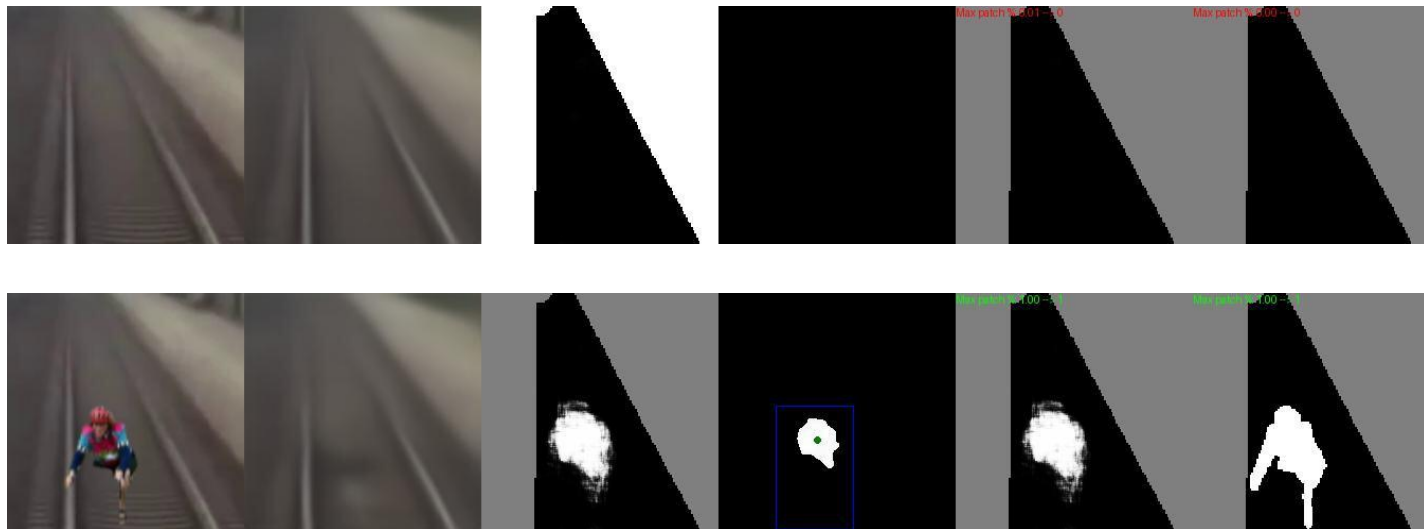


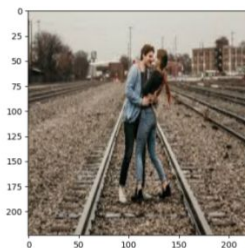
The original work from IROS  
journal only created  
segmentation map for object in  
image containing rail

# Results

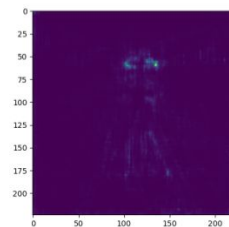
Sample Outputs  
from Repository  
(on validation  
set)



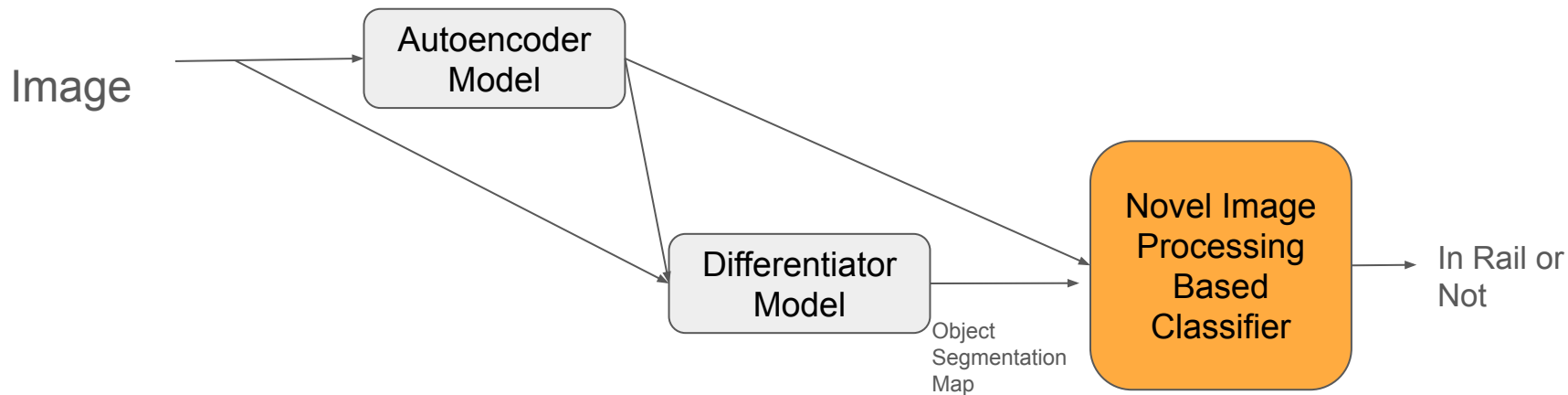
Sample Output  
on Custom  
Image



New Target  
Image



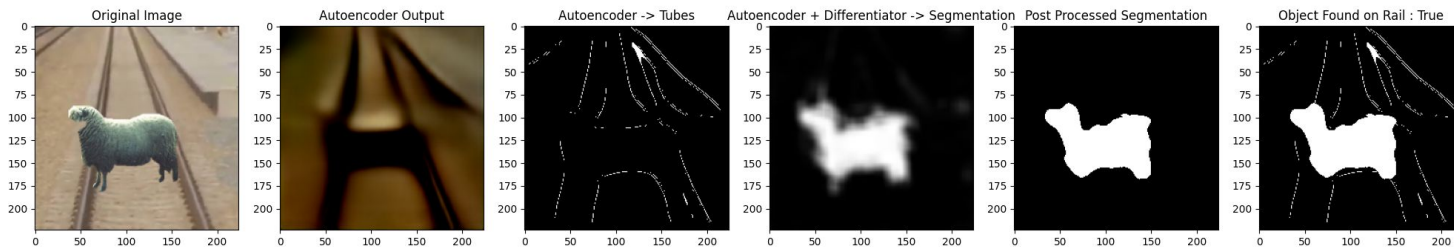
Segmentation  
Map



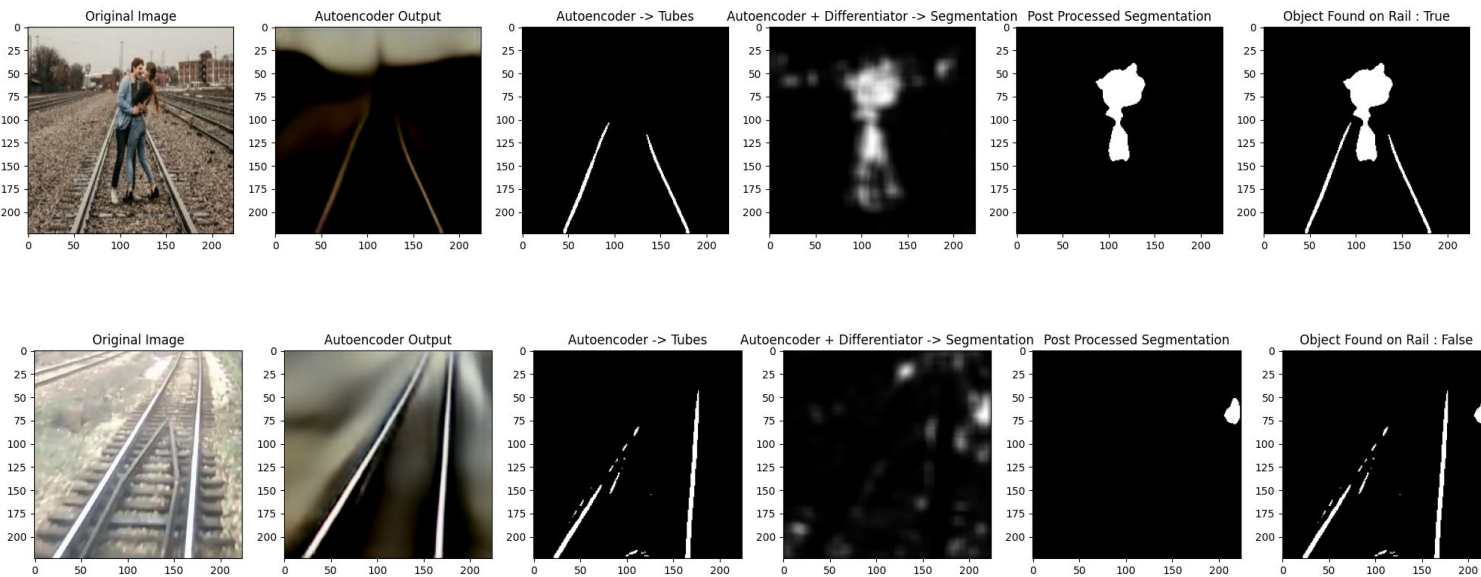
I create a useful modification,  
where I use the results to  
definitely classify whether an  
object is within rail or not

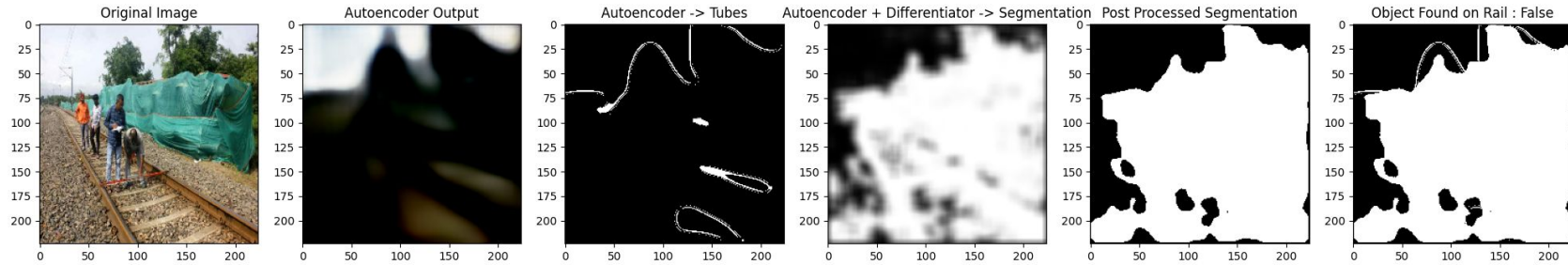
# Results

## Performance on Training Set Sample



## Performance on Testing Set Sample





As the sample becomes out of distribution, the autoencoder's output fails, and consequently performance of pipeline fails. But for railway project this would not be case, as we will have dataset associated with target railway