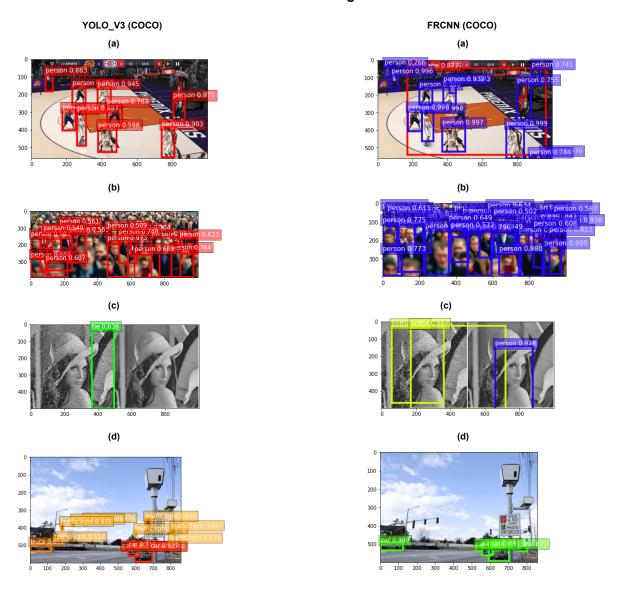
## Name: Alokendu Mazumder SR No: 20134 Prog: PhD(EE) Section 1: Images



Section 2: Comparison & Conclusion

	YOLO	FRCNN	
Detection of Smaller Objects (d)	Detects small traffic lights	Can't detect small traffic lights	
False Detections (a)	Dosen't have any false classes	Detects and huge BBox with aeroplane	
Noisy Image (c)	Fails miserably and detects "Tie" false class	Detects perfectly the faces	
Crowd Image (b)	Same Performance	Same performance	

Conclusion: YOLO excels at detecting smaller objects and doesn't give fase classes under simple image condition, but it does give false classes for noisy images. FRCNN is not able to detect smaller objects but performs well in noisy environments. It also gives false classes under simple settings (basketball) image. For the crowd image, both the models are detecting the crowd clearly. In the basketball image, both models are unable to detect the basketball even when the "ball" class is there in COCO.

Link for Codes & Results: https://drive.google.com/drive/folders/1QvtH1I2A-Ce\_4-3wK87YtiY6GmBIIYEq?usp=sharing