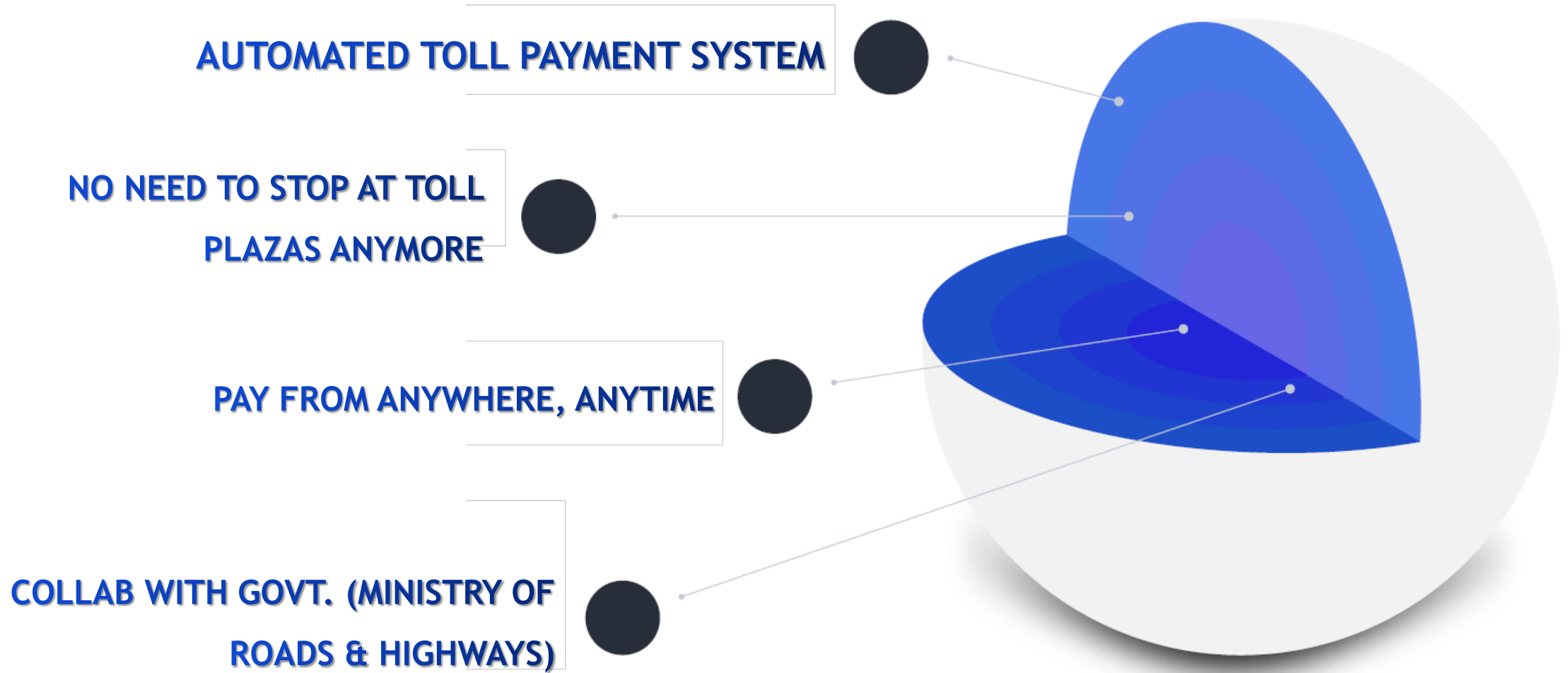


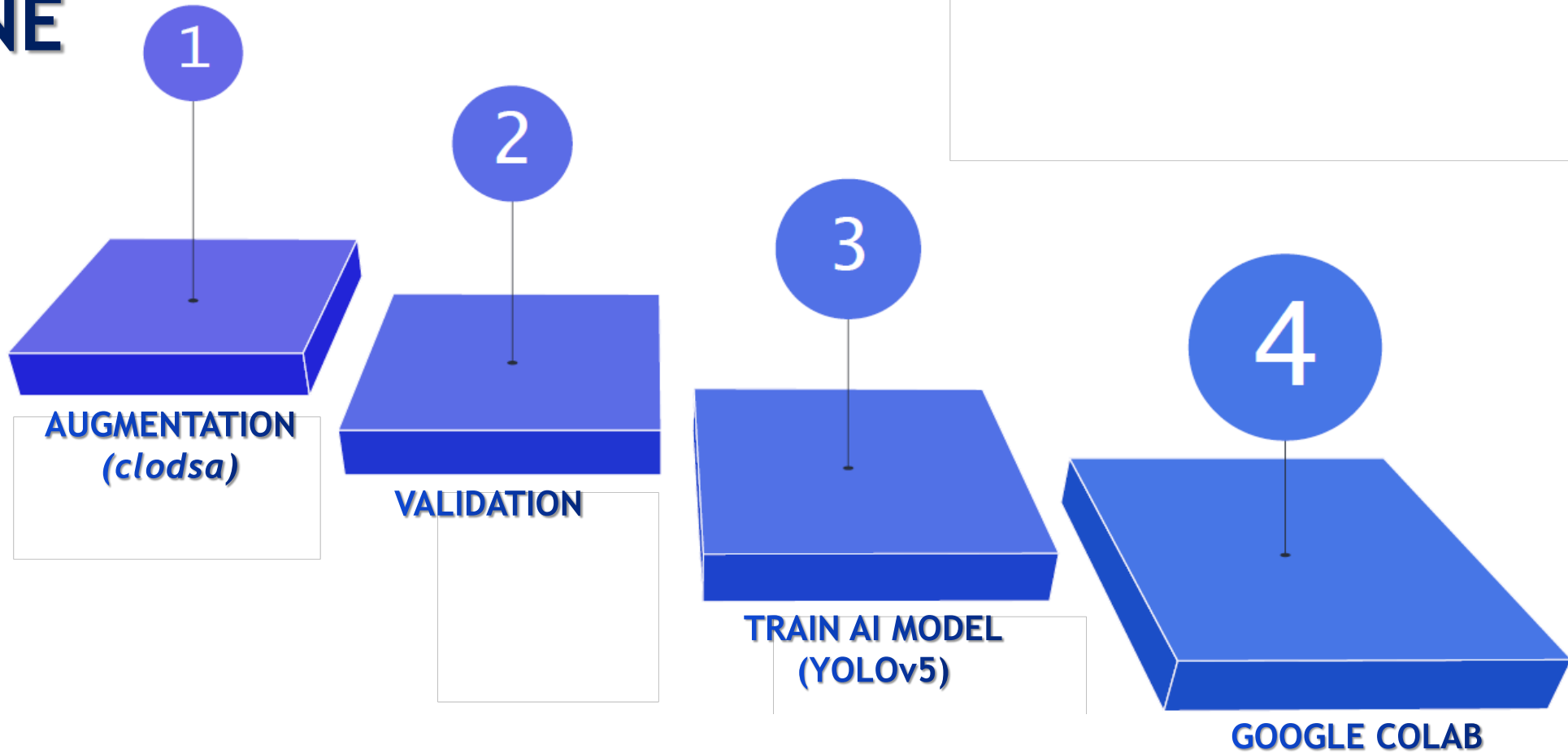
# TOLLKEEPER.AI

*an automated toll payment system*

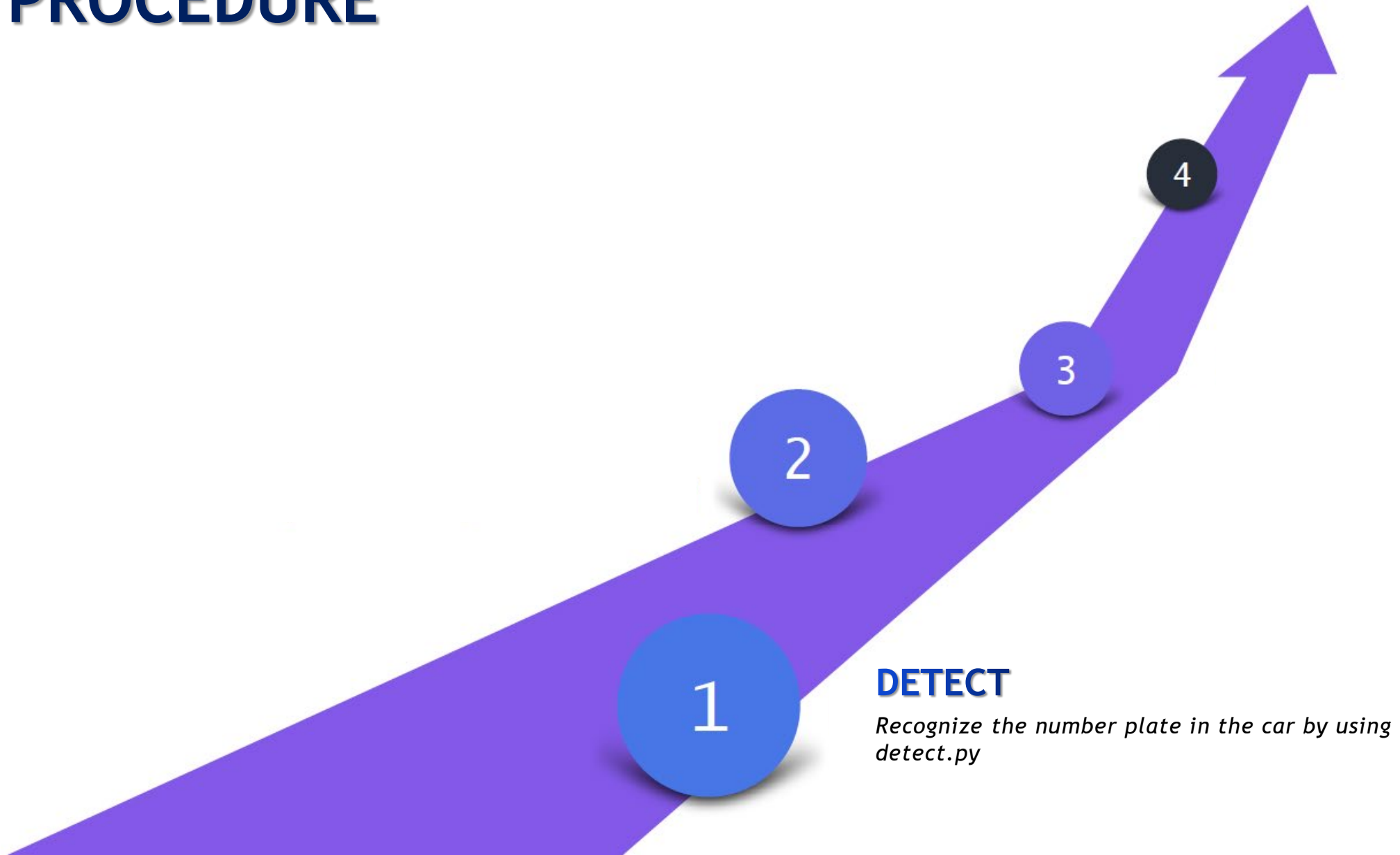
# TOLLKEEPER.AI



# TASKS DONE



# PROCEDURE



## DETECT

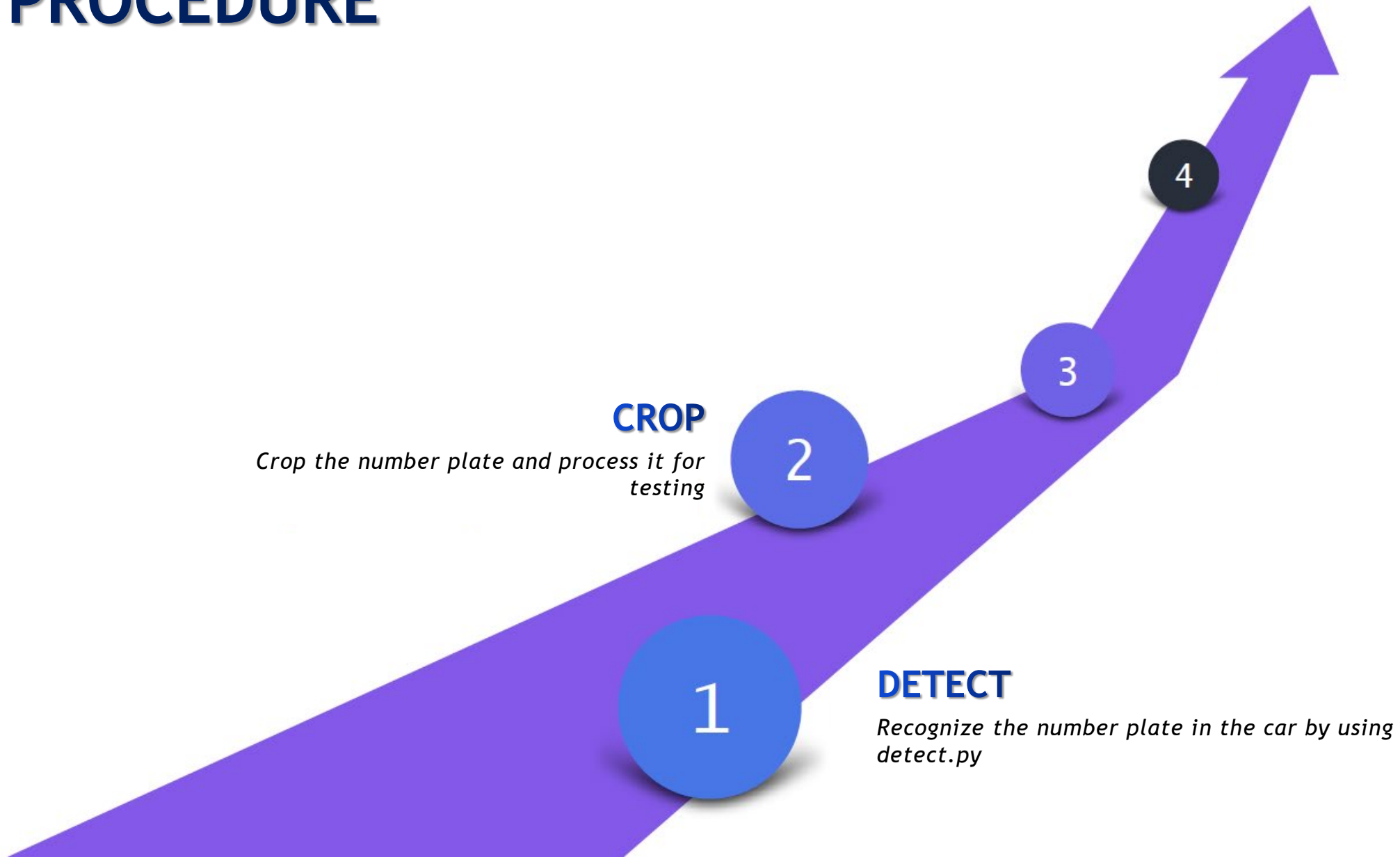
*Recognize the number plate in the car by using detect.py*



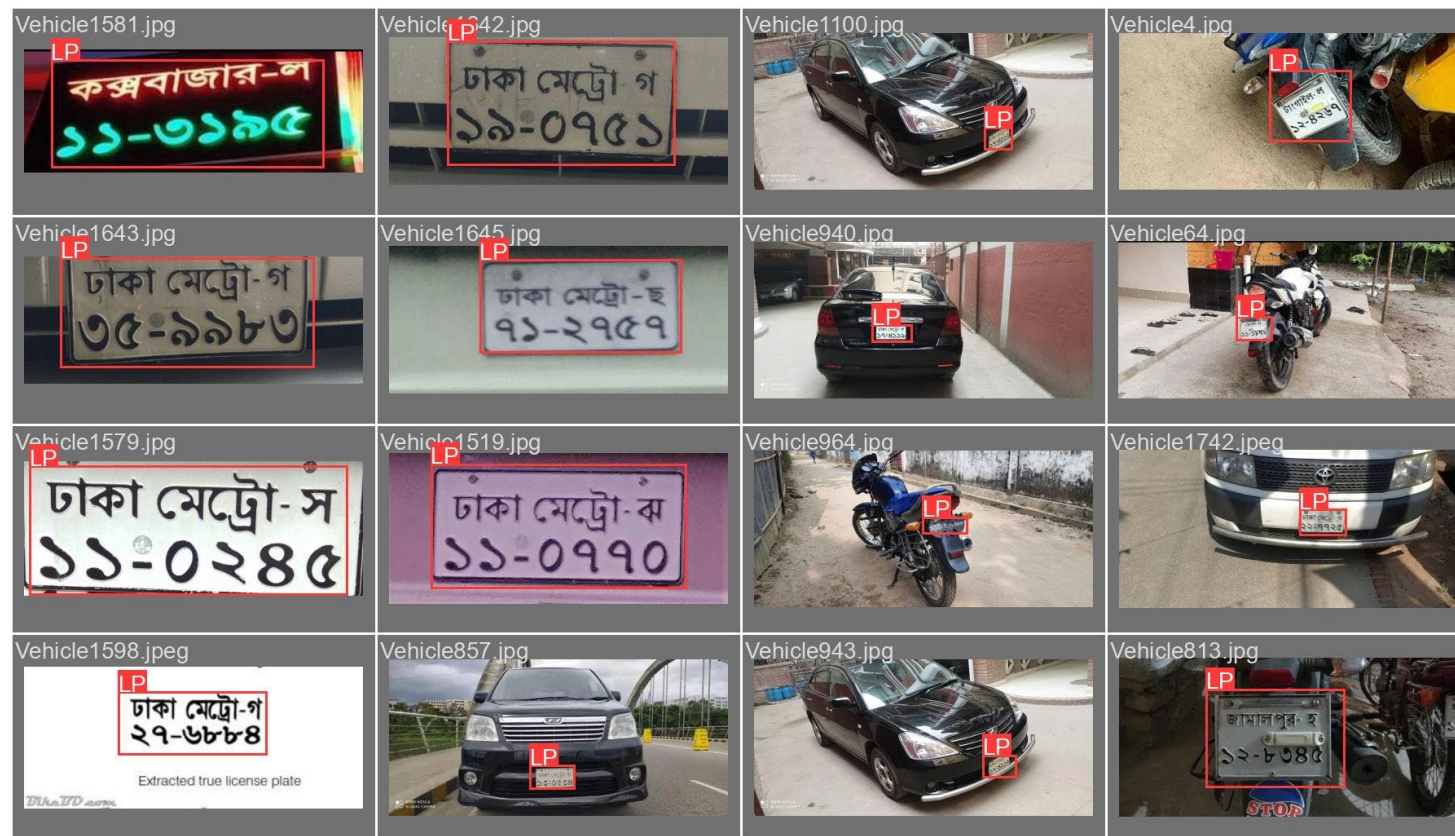
# DETECTING THE NUMBER PLATE



# PROCEDURE



# CROPPING THE NUMBER PLATE



# PROCEDURE

**CROP**  
*Crop the number plate and process it for testing*

2

**DETECT**

*Recognize the number plate in the car by using detect.py*

3

**READ**

*Read the Bengali text in the processed image of the number plate using Bengali.trainedata*

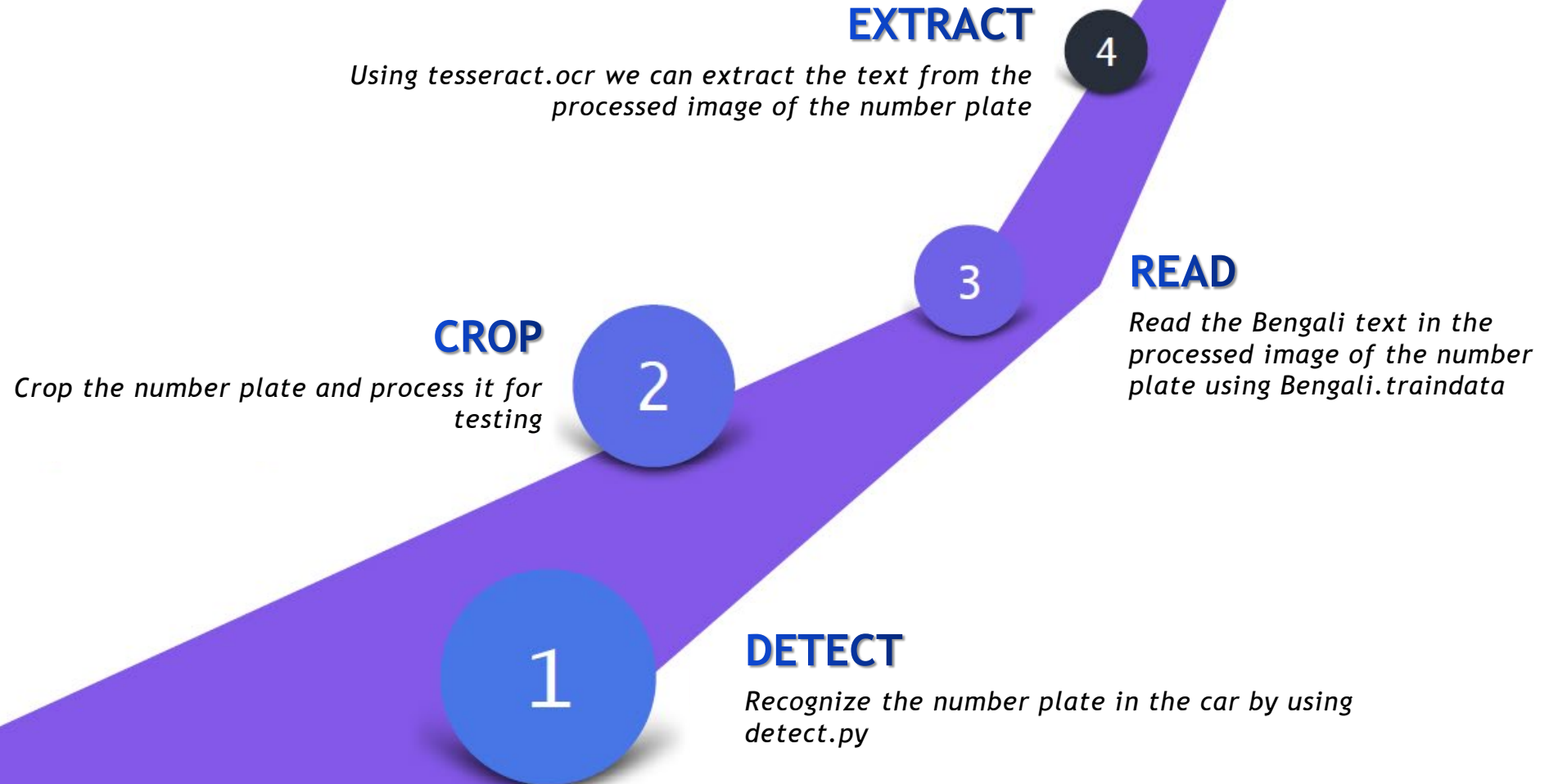
4



# READING THE BENGALI TEXT



# PROCEDURE



# EXTRACTING THE TEXT

```
[ ] plot_two_images(img3, thresh3, 'Original image', 'Processed image')
```

Original image



Processed image



```
text = pytesseract.image_to_string(thresh3, lang = "Bengali")
```

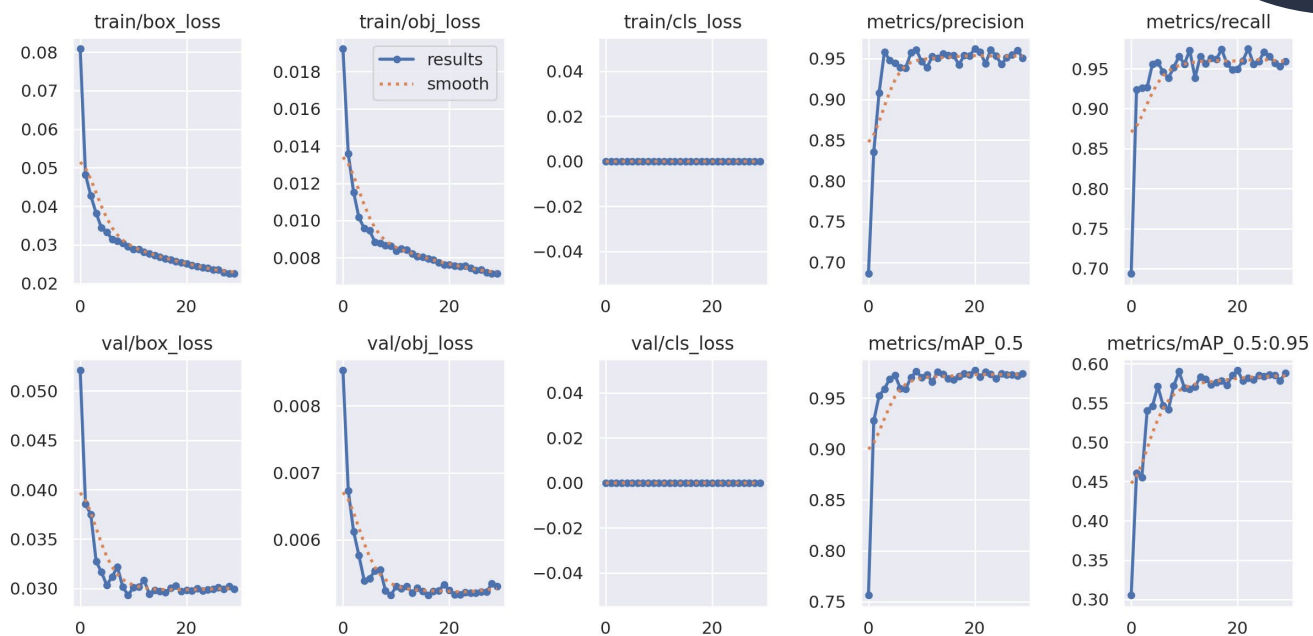
```
[ ] print(text)
```

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# RESULTS

97.4%

*We achieved 97.4% accuracy with map50;  
Decreased the Loss and Increased the Precision*





# CSE499B

## PLANS

