

(CNN)

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1. VGG-16

2.

3.

4. (CAM)

5. ResNet-50

6.

7. VGG-16

8.

9. EfficientNetB0

10. MBConv (Mobile Inverted Bottleneck Convolution)

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12.

13. (Feature Pyramid Networks - FPN)

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16.

17.

18. YOLO (You Only Look Once)

19. YOLOv5:

20. YOLOv8: YOLOv5

21.

22.

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1. (Cracks)

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3.

4. (Corrosion)

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6.

7. (Exposed Reinforcement Bars)

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9. YOLO

10. (Mould and Dampness)

11.

12.

13. (Structural Deviations)

14.

15.

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1. (Transfer Learning)

2.

3.

4. (Class Activation Mapping - CAM)

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6.

7. (Image Segmentation)

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10. (Image Enhancement)

11.

12.

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1.

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6. (FPN)

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1. YOLO (YOLOv8)

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2. (FPN)

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3. EfficientNetB0

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