Constraint	Better architecture choice
Need maximum accuracy	ResNet / EfficientNet
Need fast deployment	MobileNet
Need multi-scale visual patterns	InceptionNet
Need simple baseline	VGG / ResNet
Need high-resolution defect analysis	EfficientNet / ResNet
Need embedded camera deployment	MobileNet

No.	Department	Input scenario	Choices
1	Manufacturing	Product surface: normal, scratch, dent, rust	A) ResNet B) MobileNet C) OCR
2	Manufacturing	Product image: pass or fail quality check	A) EfficientNet B) YOLO C) CLIP retrieval
3	Engineering	Pipeline image: no, mild, moderate, severe corrosion	A) EfficientNet B) OCR C) Video model
4	Engineering	Thermal image: normal or overheated machine	A) ResNet B) YOLO C) OCR
5	HSSE	Site image: safe or unsafe condition	A) ResNet B) OCR C) Audio model
6	HSSE	Fire/smoke image: normal, smoke, fire	A) MobileNet/ResNet B) OCR C) Tracking
7	CEO Office	Site snapshot: normal, delayed, abnormal	A) EfficientNet B) OCR C) Tracking
8	Corporate Planning	Aerial image: empty, construction, completed	A) ResNet/EfficientNet B) OCR C) Video model
9	Finance	Document image: invoice, receipt, contract, report	A) Document classifier B) YOLO C) Activity recognition
10	Finance	Invoice scan: clear, blurry, incomplete	A) Image classifier B) Object detector C) Segmentation
11	IR	Event photo: meeting, lab visit, ceremony, site tour	A) ResNet/CLIP classifier B) OCR only C) Tracking
12	IR	Photo quality: usable, blurry, poor lighting	A) Image classifier B) Object detector C) OCR

No.	Department	Input scenario	Choices	Correct answer
1	Manufacturing	Image of product surface: normal, scratch, dent, rust	A) ResNet B) MobileNet C) OCR	A) ResNet
2	Manufacturing	Image of manufactured item: pass or fail quality check	A) EfficientNet B) YOLO C) CLIP retrieval	A) EfficientNet
3	Manufacturing	Image of steel surface: crack, rust, deformation, normal	A) ResNet/EfficientNet B) OCR C) Tracking model	A) ResNet/EfficientNet
4	Engineering	Pipeline image: no corrosion, mild, moderate, severe	A) EfficientNet B) OCR C) Video model	A) EfficientNet
5	Engineering	Thermal image of machine: normal or overheated	A) ResNet B) YOLO C) OCR	A) ResNet
6	Engineering	Equipment photo: normal, damaged, worn-out	A) ResNet/EfficientNet B) CLIP search C) Tracking	A) ResNet/EfficientNet
7	HSSE	Site image: safe or unsafe condition	A) ResNet B) OCR C) Audio model	A) ResNet
8	HSSE	Image of workplace: low, medium, high safety risk	A) EfficientNet B) Object detection C) OCR	A) EfficientNet
9	HSSE	Fire/smoke image: normal, smoke, fire	A) ResNet/MobileNet B) OCR C) Image retrieval	A) ResNet/MobileNet
10	CEO Office	Site snapshot: normal operation, delayed activity, abnormal situation	A) EfficientNet B) OCR C) Tracking	A) EfficientNet
11	CEO Office	Dashboard screenshot/image: good, warning, critical status	A) Image classification B) Object tracking C) Segmentation	A) Image classification
12	Corporate Planning	Aerial image: empty land, construction, completed facility	A) ResNet/EfficientNet B) OCR C) Video model	A) ResNet/EfficientNet
13	Corporate Planning	Drone image: low, medium, high project progress	A) EfficientNet B) YOLO C) OCR	A) EfficientNet
14	Corporate Planning	Facility image: operational, under maintenance, under construction	A) ResNet B) OCR C) Tracking	A) ResNet
15	Finance	Scanned document image: invoice, receipt, contract, report	A) Document image classifier B) YOLO C) Video model	A) Document image classifier
16	Finance	Receipt image: valid, suspicious, unclear	A) ResNet/document classifier B) Tracking C) Segmentation	A) ResNet/document classifier
17	Finance	Invoice scan quality: clear, blurry, incomplete	A) Image classification B) Object detection C) Activity recognition	A) Image classification
18	IR	Event photo: meeting, lab visit, ceremony, site tour	A) ResNet/CLIP classifier B) OCR only C) Tracking	A) ResNet/CLIP classifier
19	IR	Media image: formal event, technical visit, public engagement	A) EfficientNet/CLIP classifier B) YOLO C) Segmentation	A) EfficientNet/CLIP classifier
20	IR	Photo quality: usable, blurry, duplicate-looking, poor lighting	A) Image classification B) Object detection C) OCR	A) Image classification