

UNIVERSITY OF ULSAN



AUTOMATIC OWAS



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I. Importing Image

II. Selecting Condition

III. Result

IV. Back-end Flow

V. Conclusion

CONTENT

I. Importing Image

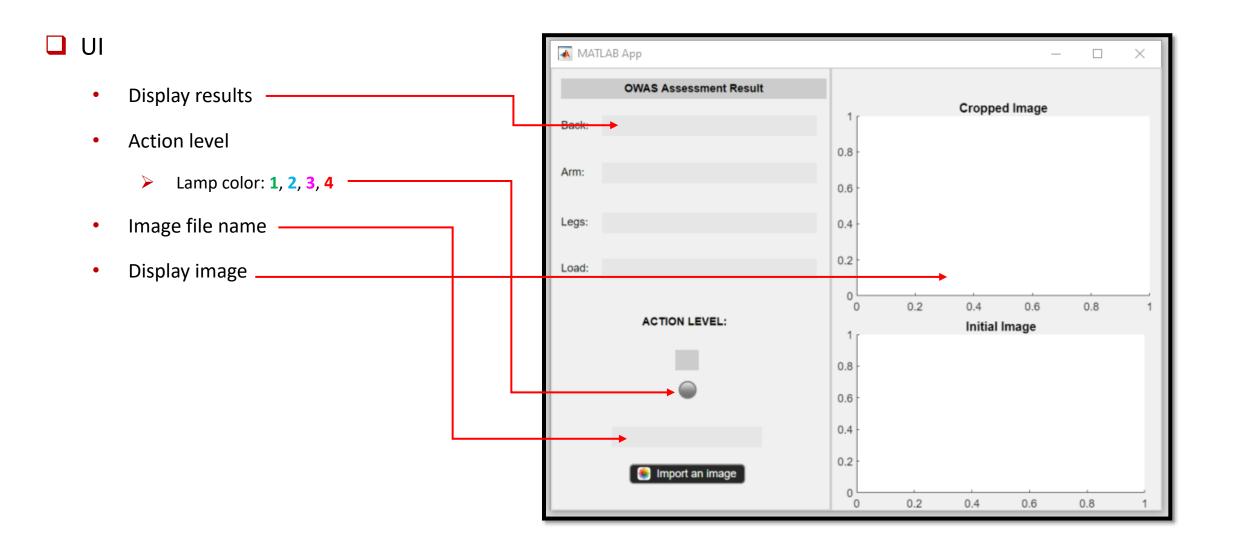
☐ Working images



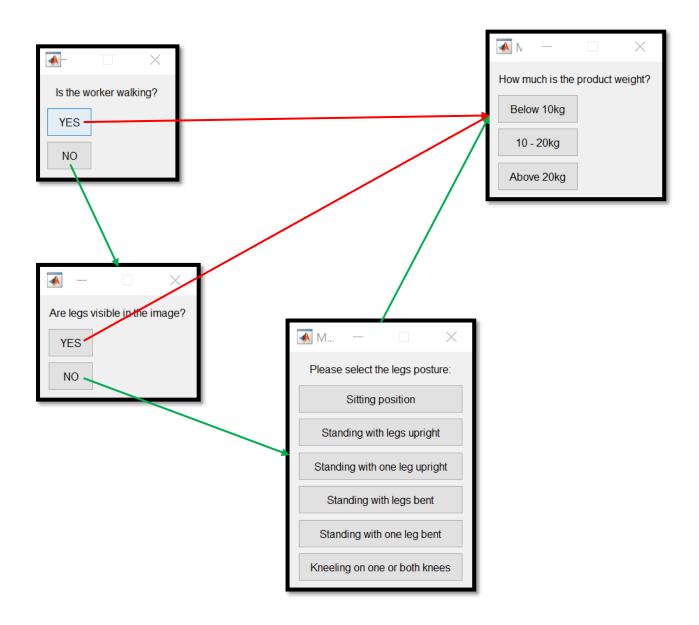




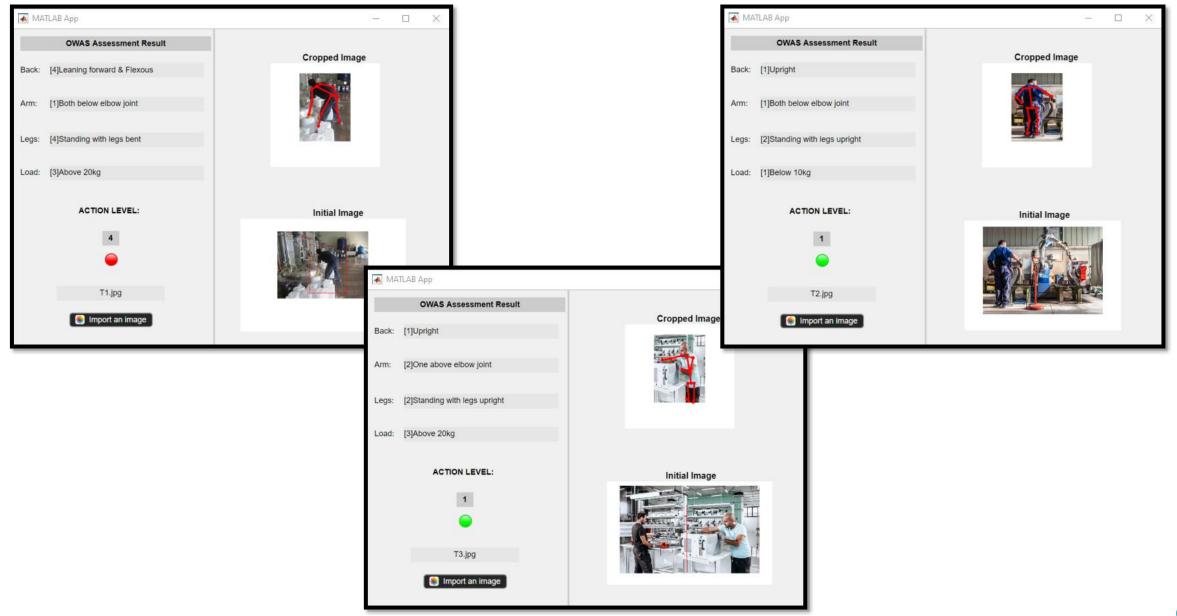
I. Importing Image



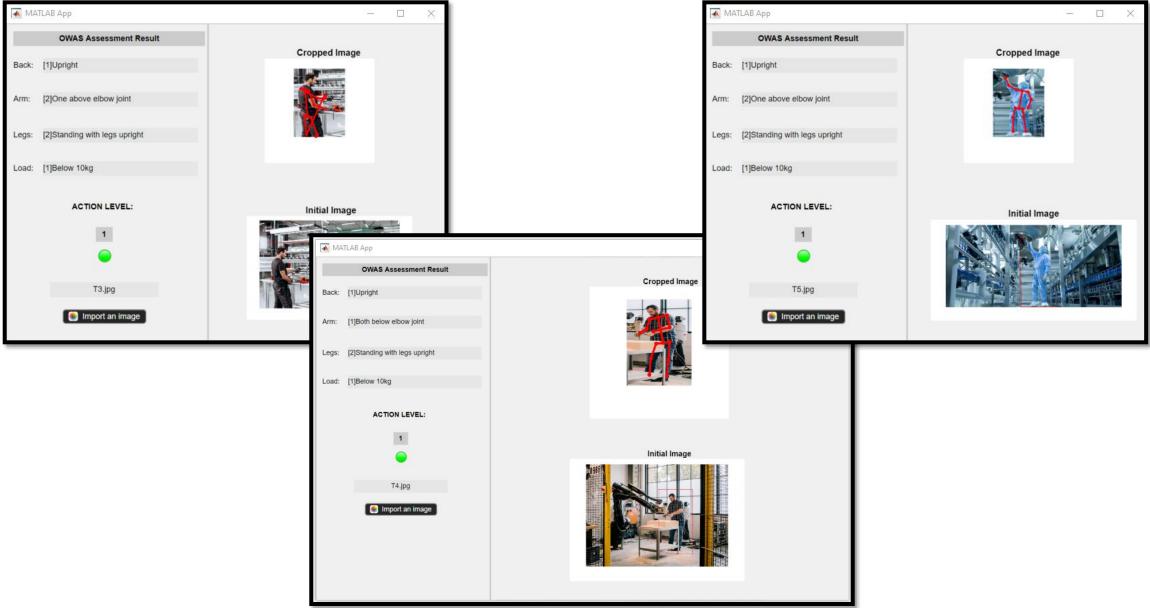
II. Selecting Condition



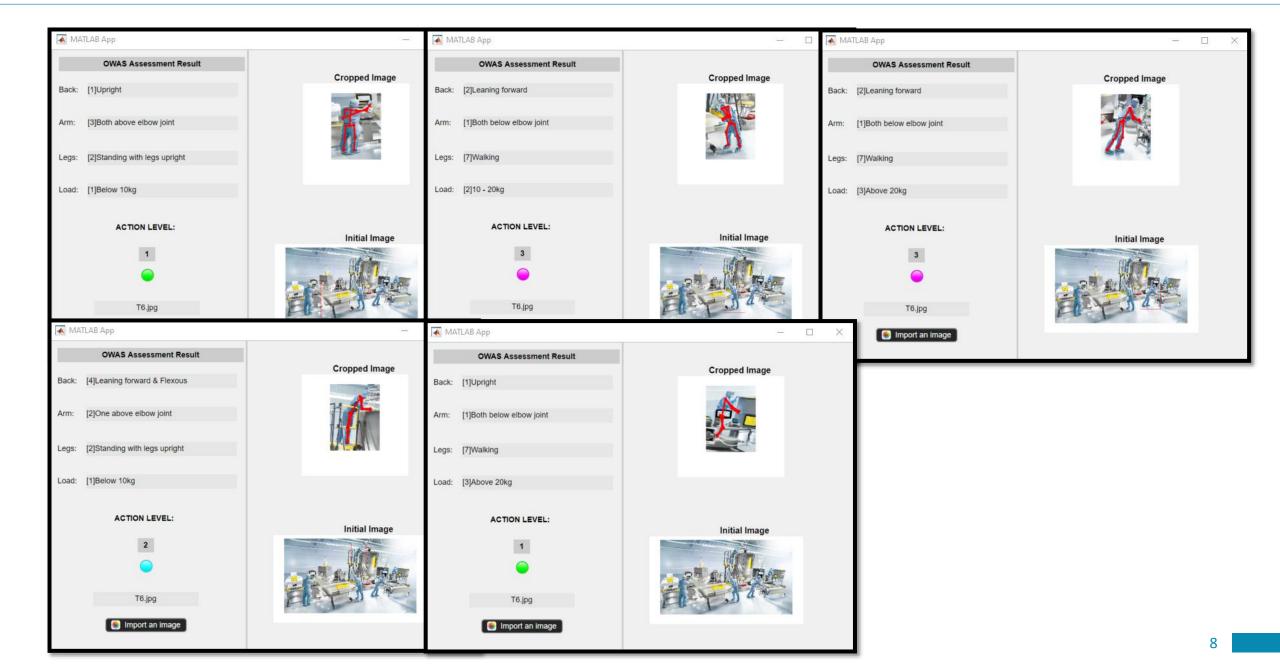
III. Result



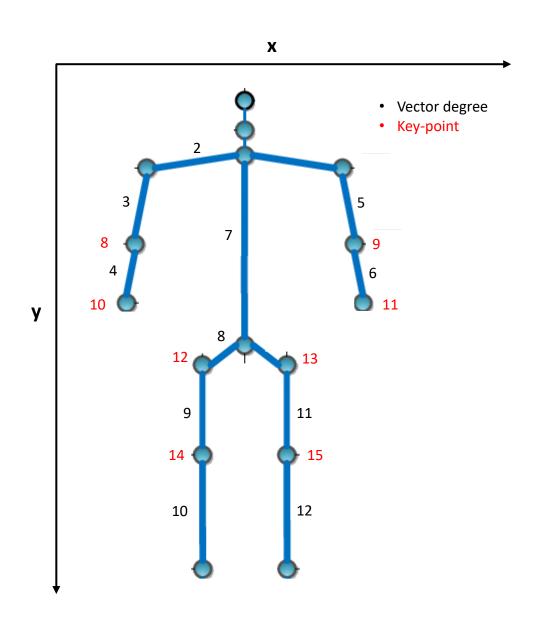
III. Result

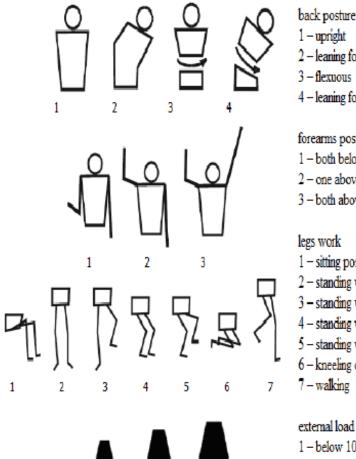


III. Result



IV. Back-end Flow





back posture

- 2 leaning forward
- 4 leaning forward and flexuous

forearms posture

- 1 both below elbow joint
- 2 one above elbow joint
- 3 both above elbow joint

- 1 sitting position
- 2 standing with legs upright
- 3 standing with one leg upright
- 4 standing with legs bent
- 5 standing with one leg bent
- 6 kneeling on one or both knees
- 7 walking

external load volume for men [kg]

- 1 below 10
- 2 within the range 10-20
- 3 above 20

V. Conclusion

- ☐ High accuracy Key-point identifying (PostNet)
- ☐ Promising result on assessments
- Policies for the model
- ☐ Manual input information (product weight)
 - Image angle
 - Balance image rotation

Q & A