# Verification and Validation Report: Mechtronics Enigeering

Team 32, Wingman, SmartVault
Edward He
Erping Zhang
Guangwei Tang
Peng Cui
Peihua Jin

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## 1 Revision History

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

## 2 Symbols, Abbreviations and Acronyms

symbol	description
Т	Test

<sup>[</sup>symbols, abbreviations or acronyms – you can reference the SRS tables if needed —SS]

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## 3 Functional Requirements Evaluation

Test Number	IPR1-1
Requirement Ref-	IPR1
erence	
Requirement	The system should be able to identify human's body
Input	Images of the working environment and a human show up
	in the environment
Desired Output	Coordinate of the detected human body
Actual Output	Correct coordinate of the detected human body
Conclusion The test pass as expected	

Test Number	UIR4-1
Requirement Ref-	UIR4
erence	
Requirement	The UI must be able to allow the user to view the system's
	status at any given point in time.
Input	User change the unplug the camera to insert a fault
Desired Output	The graphical display to the user
Actual Output	
Conclusion	

Test Number	
Requirement Reference	
Requirement	
Input	
Desired Output	
Actual Output	
Conclusion	

Test Number	
Requirement Reference	
Requirement	
Input	
Desired Output	
Actual Output	
Conclusion	

#### 4 Nonfunctional Requirements Evaluation

- 4.1 Usability
- 4.2 Performance
- 4.3 etc.

#### 5 Comparison to Existing Implementation

This section will not be appropriate for every project.

- 6 Unit Testing
- 7 Changes Due to Testing
- 8 Automated Testing
- 9 Trace to Requirements
- 10 Trace to Modules
- 11 Code Coverage Metrics

## Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

- 1.
- 2.