

Code Generation with Vision Language Models for Robot arms application

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Weekly Meeting

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Motivation

- This is the first **highlighted keyword** to emphasize an important concept.

Objectives

Scope

Sample Block Title

This block presents a **key concept** that is crucial for understanding the topic.

Sample Alert Block Title

This block presents a more alarming **key concept** that is crucial for understanding the topic.

Actors & Features

Actors:

Features:

Contributions

Scientific Contribution

Real-world Contribution

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Research gaps

Research gap

⇒ **Concluding statement.**

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Overview

Figure placeholder - replace with your image

Figure: The caption of the figure.

Sample Process

Algorithm

Pseudocode

A rectangular box with a black border and the text "Image placeholder" inside, indicating where a diagram or image should be placed.

- **Goal:** Add your goal here
- **Result:** Add your result here
- **Step:** Add your step here
- **Scope:** Add your scope here

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Prototyping

GitHub repository: [https://github.com/Minhtrna/](https://github.com/Minhtrna/Code-gen-for-robot-arm-OJT-FALL-2025-FPT)

[Code-gen-for-robot-arm-OJT-FALL-2025-FPT](#)

Demo Website: <https://example.com>

Figure 1 placeholder

Figure: The caption of the figure.

Figure 2 placeholder

Figure: The caption of the figure.

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Limitations

- Add your limitations here

⇒ **Concluding statement.**

Comparison

Table: Comparison of different methods (✓: YES, ✗: NO).

	Your Method	Method B	Method C	Method D	Method E	Method F
Feature 1	✓	✓	✗	✓	✗	✓
Feature 2	✓	✗	✓	✓	✓	✗
Feature 3	✗	✓	✓	✗	✗	✓
Feature 4	✓	✓	✗	✗	✓	✗
Feature 5	✗	✗	✓	✓	✗	✓
Feature 6	✓	✗	✓	✗	✗	✗

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Demonstration

Process A

Add content here

Scenario 1

Add content here

Scenario 2

Add content here

Process B

Add content here

Thank You!

Scope

[Back to Objectives](#)

Add scope content here

Formalizing - Sample Algorithm

[Back to Sample process](#)

Algorithm 1 $(\text{Result}) \leftarrow \text{Sample}(\text{Input1})$

Require: Input1 is a predefined parameter.

```
1: Set  $\leftarrow \emptyset$ 
2: for element  $\in$  Input1 do
3:   if Condition(element) is true then
4:     Set  $\leftarrow$  Set  $\cup$  {Process(element)}
5:   else
6:     continue
7:   end if
8: end for
9: Intermediate  $\leftarrow$  Transform(Set)
10: return Result
```

Formalizing - Sample Pseudocode

[Back to Sample process](#)

Algorithm 2 $(\text{Result}) \leftarrow \text{Sample}(\text{Input1})$

Require: Input1 is a predefined parameter.

```
1: Set  $\leftarrow \emptyset$ 
2: for element  $\in$  Input1 do
3:   if Condition(element) is true then
4:     Set  $\leftarrow$  Set  $\cup$  {Process(element)}
5:   else
6:     continue
7:   end if
8: end for
9: Intermediate  $\leftarrow$  Transform(Set)
10: return Result
```

References I

No references yet. Add them to References.bib file.