# WEEK 5
## JOG AXIS: +X,-X.+Y,-Y,+Z,-Z

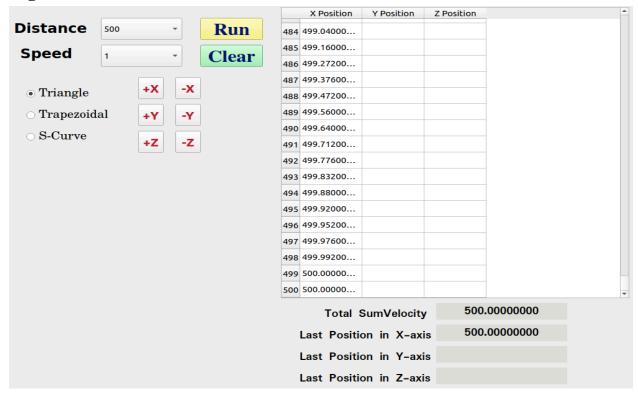**Name    :   VIVITHA  M**
**Roll no  :   7376221CS352**

| Daily Task | |
|---|---|
| Day 1 | Jog x+ |
| Day 2 | Jog x- |
| Day 3 | Jog y+ |
| Day 4 | Jog y- |
| Day 5 | Jog z+ and Jog z- |
| Day 6 | Discussion |

## Sample UI:

## Jog +X:

| Distance | 500 | | Run |
|----------|-----|---|-----|
| Speed | 1 | | Clear |

- ◉ Triangle
- ○ Trapezoidal
- ○ S-Curve

| +X | -X |
|----|----|
| +Y | -Y |
| +Z | -Z |

| | X Position | Y Position | Z Position |
|-----|-----------|-----------|-----------|
| 484 | 499.04000... | | |
| 485 | 499.16000... | | |
| 486 | 499.27200... | | |
| 487 | 499.37600... | | |
| 488 | 499.47200... | | |
| 489 | 499.56000... | | |
| 490 | 499.64000... | | |
| 491 | 499.71200... | | |
| 492 | 499.77600... | | |
| 493 | 499.83200... | | |
| 494 | 499.88000... | | |
| 495 | 499.92000... | | |
| 496 | 499.95200... | | |
| 497 | 499.97600... | | |
| 498 | 499.99200... | | |
| 499 | 500.00000... | | |
| 500 | 500.00000... | | |

| | |
|---|---|
| Total SumVelocity | 500.00000000 |
| Last Position in X–axis | 500.00000000 |
| Last Position in Y–axis | |
| Last Position in Z–axis | |

## Jog -X:

| Distance | 500 | | Run |
|----------|-----|---|-----|
| Speed | 1 | | Clear |

- ◉ Triangle
- ○ Trapezoidal
- ○ S-Curve

| +X | -X |
|----|----|
| +Y | -Y |
| +Z | -Z |

| | X Position | Y Position | Z Position |
|------|-----------|-----------|-----------|
| 984 | 0.96 | | |
| 985 | 0.84 | | |
| 986 | 0.728 | | |
| 987 | 0.624 | | |
| 988 | 0.528 | | |
| 989 | 0.44 | | |
| 990 | 0.36 | | |
| 991 | 0.288 | | |
| 992 | 0.224 | | |
| 993 | 0.168 | | |
| 994 | 0.12 | | |
| 995 | 0.08 | | |
| 996 | 0.048 | | |
| 997 | 0.024 | | |
| 998 | 0.008 | | |
| 999 | 0 | | |
| 1000 | 0 | | |

| | |
|---|---|
| Total SumVelocity | 500.00000000 |
| Last Position in X–axis | 0.00000000 |
| Last Position in Y–axis | |
| Last Position in Z–axis | |

## Jog +Y:

| | Distance | Speed | | | |
|---|---|---|---|---|---|
| | 500 | 1 | **Run** | **Clear** | |

○ Triangle  +X  -X
○ Trapezoidal  +Y  -Y
○ S-Curve  +Z  -Z

| | X Position | Y Position | Z Position |
|---|---|---|---|
| 997 | 0.024 | | |
| 998 | 0.008 | | |
| 999 | 0 | | |
| 1000 | 0 | | |
| 1001 | | 0.00800000 | |
| 1002 | | 0.02400000 | |
| 1003 | | 0.04800000 | |
| 1004 | | 0.08000000 | |
| 1005 | | 0.12000000 | |
| 1006 | | 0.16800000 | |
| 1007 | | 0.22400000 | |
| 1008 | | 0.28800000 | |
| 1009 | | 0.36000000 | |
| 1010 | | 0.44000000 | |
| 1011 | | 0.52800000 | |
| 1012 | | 0.62400000 | |
| 1013 | | 0.72800000 | |

| | |
|---|---|
| Total SumVelocity | 500.00000000 |
| Last Position in X–axis | 0.00000000 |
| Last Position in Y–axis | 500.00000000 |
| Last Position in Z–axis | |

## Jog -Y:

| | Distance | Speed | | | |
|---|---|---|---|---|---|
| | 500 | 1 | **Run** | **Clear** | |

○ Triangle  +X  -X
○ Trapezoidal  +Y  -Y
○ S-Curve  +Z  -Z

| | X Position | Y Position | Z Position |
|---|---|---|---|
| 2484 | | -499.04 | |
| 2485 | | -499.16 | |
| 2486 | | -499.272 | |
| 2487 | | -499.376 | |
| 2488 | | -499.472 | |
| 2489 | | -499.56 | |
| 2490 | | -499.64 | |
| 2491 | | -499.712 | |
| 2492 | | -499.776 | |
| 2493 | | -499.832 | |
| 2494 | | -499.88 | |
| 2495 | | -499.92 | |
| 2496 | | -499.952 | |
| 2497 | | -499.976 | |
| 2498 | | -499.992 | |
| 2499 | | -500 | |
| 2500 | | -500 | |

| | |
|---|---|
| Total SumVelocity | 500.00000000 |
| Last Position in X–axis | 0.00000000 |
| Last Position in Y–axis | –500.00000000 |
| Last Position in Z–axis | |

## Jog +Z:

| Distance | 500 | | Run |
|----------|-----|--|-----|
| Speed | 1 | | Clear |

○ Triangle    +X   -X
○ Trapezoidal    +Y   -Y
○ S-Curve    +Z   -Z

| | X Position | Y Position | Z Position |
|------|-----------|-----------|-----------|
| 2495 | | -499.92 | |
| 2496 | | -499.952 | |
| 2497 | | -499.976 | |
| 2498 | | -499.992 | |
| 2499 | | -500 | |
| 2500 | | -500 | |
| 2501 | | | 0.00800000 |
| 2502 | | | 0.02400000 |
| 2503 | | | 0.04800000 |
| 2504 | | | 0.08000000 |
| 2505 | | | 0.12000000 |
| 2506 | | | 0.16800000 |
| 2507 | | | 0.22400000 |
| 2508 | | | 0.28800000 |
| 2509 | | | 0.36000000 |
| 2510 | | | 0.44000000 |
| 2511 | | | 0.52800000 |

| | |
|--|--|
| Total  SumVelocity | 500.00000000 |
| Last  Position  in  X–axis | 0.00000000 |
| Last  Position  in  Y–axis | –500.00000000 |
| Last  Position  in  Z–axis | 500.00000000 |

## Jog -Z:

| Distance | 500 | | Run |
|----------|-----|--|-----|
| Speed | 1 | | Clear |

○ Triangle    +X   -X
○ Trapezoidal    +Y   -Y
○ S-Curve    +Z   -Z

| | X Position | Y Position | Z Position |
|------|-----------|-----------|-----------|
| 3984 | | | -499.04 |
| 3985 | | | -499.16 |
| 3986 | | | -499.272 |
| 3987 | | | -499.376 |
| 3988 | | | -499.472 |
| 3989 | | | -499.56 |
| 3990 | | | -499.64 |
| 3991 | | | -499.712 |
| 3992 | | | -499.776 |
| 3993 | | | -499.832 |
| 3994 | | | -499.88 |
| 3995 | | | -499.92 |
| 3996 | | | -499.952 |
| 3997 | | | -499.976 |
| 3998 | | | -499.992 |
| 3999 | | | -500 |
| 4000 | | | -500 |

| | |
|--|--|
| Total  SumVelocity | 500.00000000 |
| Last  Position  in  X–axis | 0.00000000 |
| Last  Position  in  Y–axis | –500.00000000 |
| Last  Position  in  Z–axis | –500.00000000 |