LIST OF PARTS

| **Sr. No.** | **Parts** | **Dimensions** | **Material** | **Manufactured/Bought** | **Machining Process Involved** | **Qty** | **Page No.** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Wheels | ID= 13mm  OD = 100mm  Thickness = 50mm | Plastic | Manufactured | 3D Printing | 3 |  |
| 2 | Bracket 1 | 61x61mm | Metal | Manufactured | Drilling, Filing | 1 |  |
| 3 | Bracket 2 | 63x63mm | Metal | Manufactured | Drilling, Filing | 1 |  |
| 4 | Rod 1 | Diameter = 12.7mm  Length = 380mm | Metal | Manufactured | Cutting, Drilling, Filing | 1 |  |
| 5 | Rod 2 | Diameter = 12.7mm  Length = 280mm | Metal | Manufactured | Cutting, Drilling, Filing | 1 |  |
| 6 | Rod 3 | Diameter = 12.7mm  Length = 150mm | Metal | Manufactured | Cutting, Drilling, Filing | 1 |  |
| 7 | Rectangular Rod 1 | 250x15x30mm | Metal | Manufactured | Cutting, Drilling, Filing | 3 |  |
| 8 | Rectangular Rod 2 | 310x10x25mm | Metal | Manufactured | Cutting,Drilling,Filing | 2 |  |
| 9 | Circular Plate | Diameter = 200mm | Metal | Manufactured | Drilling, Filing | 1 |  |
| 10 | Metal Sheet | 100mmx150mm | Metal | Manufactured | Cutting, Drilling,Filing | 1 |  |
| 11 | Worm gear | Diameter = 22mm | Metal | Manufactured | Milling, Turning, Tapping | 1 |  |
| 12 | Worm Wheel | Diameter = 33mm | Metal | Manufactured | Milling, Turning, Tapping | 1 |  |
| 13 | Spur Gear | ID = 12.7mm  OD = 33mm | Metal | Manufactured | Milling, Turning, Tapping | 2 |  |
| 14 | Barrel | ID = 14mm  OD = 19.5mm  Length = 180mm | Plastic | Manufactured | 3D Printing | 1 |  |
| 15 | Cam | Length = 70mm | Metal | Already Available | - | 1 |  |
| 16 | Motor | - | - | 2 Already Available, 2 Bought | - | 4 |  |
| 17 | Dual Motor Driver | - | - | Already Available | - | 1 |  |
| 18 | Motor Clamp | - | Plastic | Already Available | - | 3 |  |
| 19 | Switch | - | - | Already Available | - | 3 |  |
| 20 | Arduino | - | - | Already Available | - | 1 |  |
| 21 | Spring | - | Metal | Already Available | - | 1 |  |
| 22 | Washers | - | - | Already Available | - | 7 |  |