|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.no | Part name | Materials with which the part is made up of | Specification of the part | Quantity required | Fabrication process |
| 1. | Casing | Acrylic sheets | 20cm\*30cm\*5cm | 1 | Cutting and bending |
| 2. | Body | Foam sheet | 10cm\*10cm\*5cm | 1 | Cutting and bending |
| 3. | Micro controller | Arduino mega | AT2560 | 1 | - |
| 4. | IR sensor | - | 3.3V-5V  23mA-43mA | 1 | - |
| 5. | Micro servo motor | - | SG90  4.8V-6V | 3 | - |
| 6. | Mini USB cable | - | - | 1 | - |
| 7. | Breadboard | - | - | 1 | - |
| 8. | Red LED | - | 2V-3V | 4 | - |
| 9. | Adapter | - | 5V | 1 | - |
| 10. | Screws | - | |  | | --- | | M1.2\*4mm | | M2\*10 | | M2\*14 | | M2.5\*10 | | M3\*6 | | M2.5\*10 | | M3\*12 | | |  | | --- | | 8 | | 6 | | 4 | | 16 | | 4 | | 14 | | 6 | | - |
| 11. | Nuts | - | |  | | --- | | M2 | | M2.5 | | M3 | | |  | | --- | |  | |  | |  | | - |
| 12. | Standoff | Plastic | M2.5\*13 | 4 | - |
| 13. | Standoff | Aluminium | M3\*25 | 1 | - |
| 14. | 2S battery | - | 5V | 1 | - |
| 15. | Male to female connecting cables | - | - | 10-20 | - |

**BILL OF MATERIALS**