|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **COMPONENT** | **COMPONENT COST** | **QUANTITY** | **COST** |
| 1 | Arduino mega | 1200 | 1 | 1200 |
| 2 | ESP8266 | 200 | 1 | 200 |
| 3 | Foam-sheet | 300 | 2 | 600 |
| 4 | Wheels | 120 | 2 | 240 |
| 5 | L-clamps | 10 | 34 | 340 |
| 6 | Nuts & bolts | .50 | 80 | 40 |
| 7 | Geared-motors | 300 | 2 | 600 |
| 8 | Motor-Clamps | 20 | 2 | 40 |
| 9 | Encoders | 120 | 2 | 240 |
| 10 | Caster-wheel | 60 | 1 | 60 |
| 11 | L298N-MotorDriver | 100 | 1 | 100 |
| 12 | SD-Card | 80 | 1 | 80 |
| 13 | SD-Card module | 97 | 1 | 97 |
| 14 | HC-05 | 197 | 1 | 197 |
| 15 | Ultra-sonic sensor | 150 | 1 | 150 |
| 16 | LED | 5 | 4 | 20 |
| 17 | Spray-paint | 90 | 1 | 90 |
| 18 | Cutter-Blade | 50 | 1 | 50 |
| 19 | 20K RPM motor | 320 | 1 | 320 |
| 20 | Connecting wires | - | - | 50 |
|  |  |  |  | **TOTAL=4,714** |

MANUFACTURING PROCESS

|  |  |  |
| --- | --- | --- |
| Part No | Part Name | MANUFACTURING PROCESS |
| 1 | Casing | 1)Cutting using Hex-Blade  2)Drilling Hole  3)Attaching using L-clamps |
| 2 | Code | Coding using Arduino IDE |

1)Cutting foam sheet according to the final conceptual design using Hexa-Blade

2)Drilling holes in Foam sheet to insert nuts & bolts

3)using L-clamps we have structured the model (attach parts)

4)Coding the Arduino mega & ESP8266 microcontroller in Arduino IDE

5)Connecting all the components using wires