# Cost Analysis

After a detailed research process, we checked the market in order to be able to figure out how to solve the problem with the minimized cost. By making a comparison list, we found our optimal component set and purchased them. This component list can be observed below in Table XXXXXXXXXXXXXXX.

**Table XXXXXXXXXXXXXXX: Cost Analysis of the Project**

|  |  |  |  |
| --- | --- | --- | --- |
| **Product Name** | **Price / Product** | **Quantity** | **Total Price** |
| Raspberry Pi 3 | ₺181.65 | 1 | ₺181.65 |
| HC-SR04 Arduino Ultrasonic Distance Sensor | ₺5.50 | 4 | ₺22.00 |
| E18 D80NK Infrared Sensor | ₺22.75 | 2 | ₺45.50 |
| Webcam | ₺31.00 | 2 | ₺62.00 |
| Motors | ₺45.00 | 2 | ₺90.00 |
| L298N Motor Driver | ₺12.00 | 1 | ₺12.00 |
| Mad wheel | ₺5.00 | 1 | ₺5.00 |
| Robot Chassis | ₺10.00 | 1 | ₺10.00 |
| Jumper Cables | ₺10.00 (/set) | 1 | ₺10.00 |
| 11.1V 1300mA LIPO Battery | ₺69.50 | 1 | ₺69.50 |
| LIPO Battery Charger | ₺45.00 | 1 | ₺45.00 |
| 24V-5V 3A DC to DC USB Power Module | ₺6.65 | 1 | ₺6.65 |
| Arduino UNO | ₺40.00 | 1 | ₺40.00 |
| Screw set | ₺30.00 | 1 | ₺30.00 |
| Plank and ball bearings | ₺20.00 | 1 | ₺20.00 |
|  |  | **TOTAL PRICE** | ₺649.30 |

Please note that, we were allowed to spend up to $200,-. Total price is, according to today’s currency, $171.05. That is, we are far below the top limit.