**Kenneth Tudo**

**Tdkn0000**

**CENG 317**

**Analytic Rubric for Budget**

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| **#** | **Product Name** | **Description** | **Cost** | **Shipping** | **Quantity** |
| 1 | Raspberry Pi  + LCD screen | CanaKit Raspberry Pi 3 Starter Kit w/ 32 GB MicroSD, Micro USB power supply included with 9” LCD screen | $75-80 | $25 | 1 |
| 2 | Peristaltic Liquid Pump with Silicone Tubing | water pump w/ high efficiency water distribution unit. | $24.95/ea | N/A | 1-2 |
| 3 | Water sensor | SainSmart Water Sensor + Free Cables for Arduino | $9.95 | N/A | 1-2 |
| 4 | Touch sensor | SainSmart TTP223B Digital Touch Sensor Capacitive Touch Switch Modul For Arduino | $3.59 | N/A | 1-2 |
| 5 | Arduino Uno R3 Microcontroller SMD (Model A000073) | Microcontroller board based on ATmega328 connection for everything | $35.95 | FREE – prime member | 1 |
| 6 | Spare Parts |  | $50 |  |  |
|  |  |  | Net Total | $170-250 |  |
|  |  |  | Tax (13%) | $30+ |  |
|  |  |  | Shipping Cost\* | $20+ |  |
|  |  |  | Total | $250-300 |  |

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| **#** | **Links** |
| 1 | https://www.adafruit.com/product/1150 |
| 2 | https://www.amazon.ca/Arduino-Uno-Microcontroller-SMD-Model/dp/B008GRTSV6/ref=sr\_1\_2?ie=UTF8&qid=1475075265&sr=8-2&keywords=arduino |
| 3 | http://www.sainsmart.com/sainsmart-hdmi-vga-digital-9-9-inch-touch-screen-lcd-driver-board-for-raspberry-pi.html |
| 4 | http://www.sainsmart.com/sainsmart-water-sensor-free-cables-arduino-compatile.html |
| 5 | http://www.sainsmart.com/sainsmart-ttp223b-digital-touch-sensor-capacitive-touch-switch-modul-for-arduino.html |