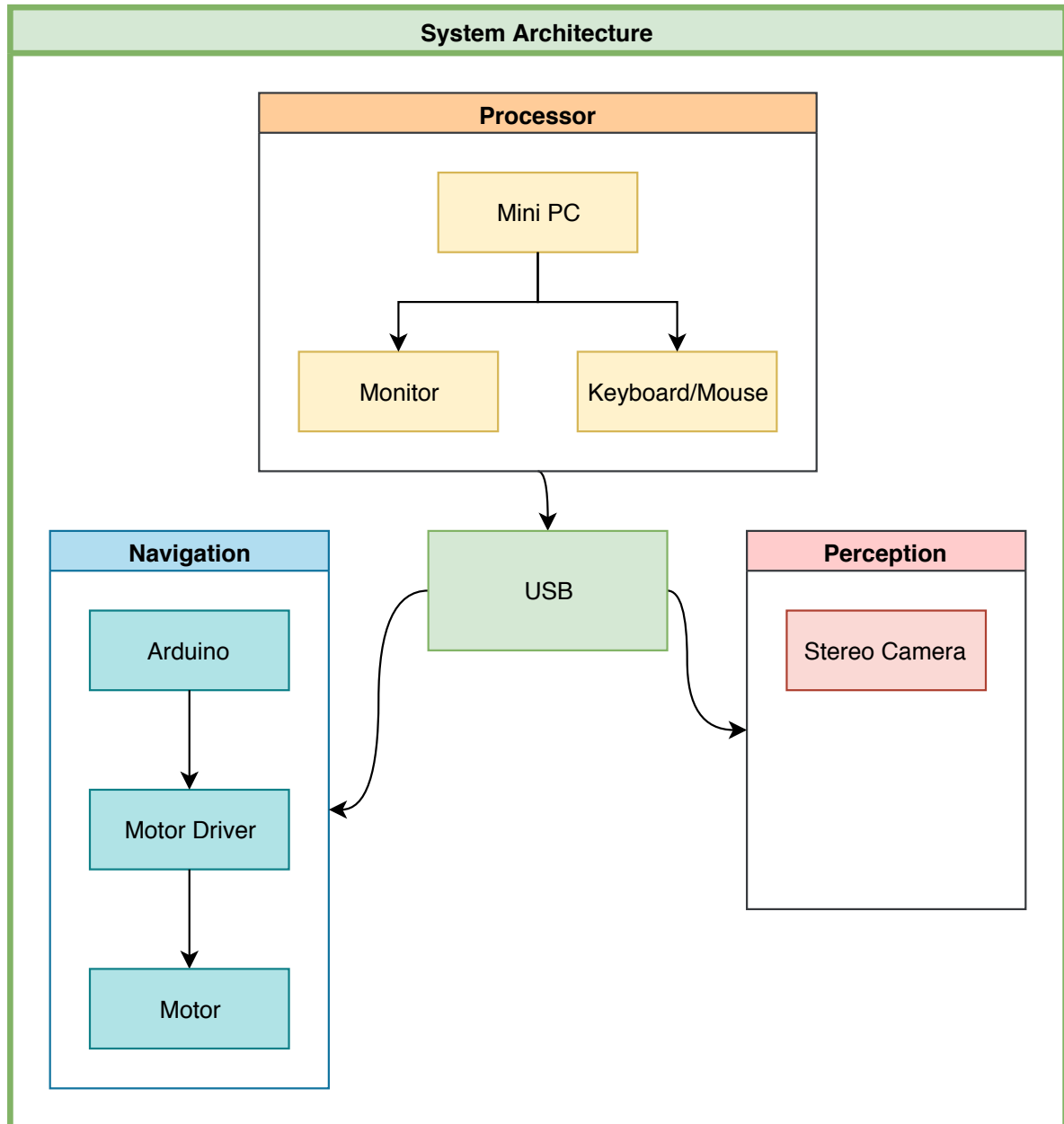


Service Robot

Embedded System Configuration of Robot



Project Proposal

Prepared for: Khairul Hamzani

Prepared by: Khairul Izwan

12 December 2019

Proposal number: 0002-DEC

BUDGET

****Required parts for Processor and Perception only**

- Links provided for reference — price
- Additional portable power supply device may required — please notes

Option A

No	Description	Quantity	Unit Price	Cost
1	Processor			
	# INTEL 8th Gen i7 NUC BOXNUC8I7BEH3 Barebone Mini PC Kit #	1	RM 1,998.00	RM 1,998.00
	10.1" HD Monitor for Mini TV & Computer Display TFT LCD Color Screen Built in Speaker Support BNC / AVI / VGA / HDMI	1	RM 153.00	RM 153.00
	LOGITECH K400 PLUS WIRELESS TOUCH KEYBOARD -WHITE	1	RM 103.00	RM 103.00
	BELKIN 4-PORT HI-SPEED USB 2.0 HUB WITH POWER ADAPTER (F4U040AK)	1	RM 98.00	RM 98.00
2	Perception			
	Astra Pro	1	RM 835.26	RM 835.26
3	Workmanship	1	RM 3,000.00	RM 3,000.00
	Total			RM 6,187.26

**** Links provided for reference — price**

- <https://shopee.com.my/-INTEL-8th-Gen-i7-NUC-BOXNUC8I7BEH3-Barebone-Mini-PC-Kit--i.59277182.1730350371>
- <https://shopee.com.my/10.1%E2%80%9D-HD-Monitor-for-Mini-TV-Computer-Display-TFT-LCD-Color-Screen-Built-in-Speaker-Support-BNC-AVI-VGA-HDMI-i.45710215.2480050819>
- <https://shopee.com.my/LOGITECH-K400-PLUS-WIRELESS-TOUCH-KEYBOARD-WHITE-i.43829688.1298349533>
- [https://shopee.com.my/BELKIN-4-PORT-HI-SPEED-USB-2.0-HUB-WITH-POWER-ADAPTER-\(F4U040AK\)-i.44569675.2379582067](https://shopee.com.my/BELKIN-4-PORT-HI-SPEED-USB-2.0-HUB-WITH-POWER-ADAPTER-(F4U040AK)-i.44569675.2379582067)
- http://shop.orbec3d.com/Astra-Pro_p_35.html

No	Description	Quantity	Unit Price	Cost
1	Processor			
	NVIDIA Jetson Nano Developer Kit	1	RM 550.00	RM 550.00
	7 Inch 1024*600 LCD Touch Screen Display	1	RM 119.00	RM 119.00
	LOGITECH K400 PLUS WIRELESS TOUCH KEYBOARD -WHITE	1	RM 103.00	RM 103.00
	BELKIN 4-PORT HI-SPEED USB 2.0 HUB WITH POWER ADAPTER (F4U040AK)	1	RM 98.00	RM 98.00
2	Perception			
	Astra Pro	1	RM 835.26	RM 835.26
3	Workmanship	1	RM 3,000.00	RM 3,000.00
	Total			RM 4,705.26

**** Links provided for reference — price**

- <https://my.cytron.io/p-nvidia-jetson-nano-developer-kit?search=jetson%20nano&description=1&src=search.list>
- https://shopee.com.my/LANDZO-7-Inch-1024*600-LCD-Touch-Screen-Display-for-Raspberry-Pi-4B-3B-3B-2B-i.161649908.2514194855
- <https://shopee.com.my/LOGITECH-K400-PLUS-WIRELESS-TOUCH-KEYBOARD-WHITE-i.43829688.1298349533>
- [https://shopee.com.my/BELKIN-4-PORT-HI-SPEED-USB-2.0-HUB-WITH-POWER-ADAPTER-\(F4U040AK\)-i.44569675.2379582067](https://shopee.com.my/BELKIN-4-PORT-HI-SPEED-USB-2.0-HUB-WITH-POWER-ADAPTER-(F4U040AK)-i.44569675.2379582067)
- http://shop.orbbec3d.com/Astra-Pro_p_35.html