## Budget Plan for Purchasing of Components 1.1

Saturday, 7 August 2021 8:10 pm

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BUDGET POOL 1:			Amount	BUDGET POOL 2:	Quantity		Amount		BUDGET POOL 3: Quantity Price		Amount	
ARDUINO MEGA	1	499		ARDUINO MEGA	1	599		· ·	ARDUINO MEGA 1	599	<u>599</u>	
ARDUINO NANO	1	220	220	ARDUINO NANO	1	199	<u>199</u>		ARDUINO NANO 1	180	<u>180</u>	
OLED DISPLAY				OLED DISPLAY					OLED DISPLAY			
(128x32)	1	133	<u>133</u>	(128x32)	1	133	<u>133</u>	l -	(128x32) 1	133	<u>133</u>	
OLED DISPLAY				OLED DISPLAY					OLED DISPLAY			
(128x64)	1	242		(128x64)	1	242	242		(128x64) 1	242	242	
Keypad	2	55	<u>110</u>	Keypad	2	99	<u>198</u>		Keypad 2	99	<u>198</u>	
Kimat one wire				Kimat one wire					Kimat one wire			
keypad module	2	68	<u>136</u>	keypad module	2	68	<u>136</u>		keypad module 2	68	<u>136</u>	
30 amp 5v Relay	1	198	<u>198</u>	30 amp 5v Relay	1	100	<u>100</u>		30 amp 5v Relay 1	290	290	
PZEM-004TAC				PZEM-004TAC					PZEM-004TAC			
Voltage and				Voltage and					Voltage and			
Current Sensor	1	350	<u>350</u>	Current Sensor	1	494	494		Current Sensor 1	392	<u>392</u>	
LM2956 Buck				LM2956 Buck					LM2956 Buck			
Converter	1	57	<u>57</u>	Converter	1	155	<u>155</u>		Converter 1	80	<u>80</u>	
Printed circuit				Printed circuit					Printed circuit			
board (PCB)	2	30	60	board (PCB)	2	30	<u>60</u>		board (PCB) 2	30	<u>60</u>	
Sim800L GSM				Sim800L GSM					Sim800L GSM			
Module	1	96	96	Module	1	136	<u>136</u>		Module 1	285	285	
Connecting wires			_	Connecting wires					Connecting wires			
(female to male)	1	69	69	(female to male)	1	49	49		(female to male) 1	49	49	
Resistors	1			Resistors	1	50			Resistors 1	50	50	
NRF24L01	_	30		NRF24L01		30	30		NRF24L01	- 50		
module and				module and					module and			
adapter	2	49	98	adapter	2	67	134		adapter 2	47	94	
duapter	2			udupter	2				2	84	168	
SD card Socket		04	100	SD card Socket		04	100		SD card Socket	04	100	
Module	2	35	70	Module	,	64	120		Module 2	64	128	
2gb SD card	2				2					199		
		180	<u>360</u>	2gb SD card		199	<u>398</u>		2gb SD card 2 DS3231 RTC Real	199	<u>398</u>	
DS3231 RTC Real Time Clock				DS3231 RTC Real					I I			
				Time Clock					Time Clock			
module with	١.			module with		455	4		module with	455	455	
battery	1	85	<u>85</u>	battery	1	155	<u>155</u>		battery 1	155	<u>155</u>	
Heavy Duty				Heavy Duty					Heavy Duty			
Ground Plug 20A-				Ground Plug 20A-					Ground Plug 20A-			
250V	1	70	70	250V	1	70	<u>70</u>		250V 1	70	<u>70</u>	
CMART Electrical				CMART Electrical					CMART Electrical			
Plug 2 Prong				Plug 2 Prong					Plug 2 Prong			
Receptacle Plug				Receptacle Plug					Receptacle Plug			
Power Plug				Power Plug					Power Plug			
Adaptor 250V				Adaptor 250V					Adaptor 250V			
10A	1	25	<u>25</u>	10A	1	25	<u>25</u>		10A 1	25	25	
AC Stranded Wire	1	120	120	AC Stranded Wire	1	120	120		AC Stranded Wire 1	120	120	
5V/3A 3V/1A				5V/3A 3V/1A					5V/3A 3V/1A			
18650 Battery				18650 Battery					18650 Battery			
Shield V8 Mobile				Shield V8 Mobile					Shield V8 Mobile			
Power Bank				Power Bank					Power Bank			
Extension Board				Extension Board					Extension Board			
Module for				Module for					Module for			
Arduino				Arduino					Arduino			
RaspberryPi	1	202	202	RaspberryPi	1	202	202		RaspberryPi 1	202	202	
Stranded wires	<u> </u>	202		Stranded wires		202	202	l	Stranded wires	202		
(Connecting				(Connecting					(Connecting			
wires)	1	100	100	wires)	1	100	100		wires) 1	100	100	
Wiresj	1	100	100	wiresj	1	100	100		wiles)	100	100	
N-channel mosfet	1	48	48	N-channel mosfet	1	60	<u>60</u>		N-channel mosfet 1	95	<u>95</u>	
AC-DC 100-240V				AC-DC 100-240V					AC-DC 100-240V			
To 5V 2A 2000MA				To 5V 2A 2000MA					To 5V 2A 2000MA			
Switching Power				Switching Power					Switching Power			
Supply Module				Supply Module					Supply Module			
Supply Woule	2			Supply Would	2	72			2	72	144	
		Total:	3750			Total:	4255		Total:		4393	
		Equal division-per person (/6):	625			Equal division-per person (/6):	709.17		Equal division-per	person (/6):	732.17	

Name of Component	Picture							Name of Component	Picture							
nume or component	Tietare				$\vdash$		$\vdash$	component	Ficture							
	No. Continue							NRF24L01	All							
ARDUINO MEGA	ALLE TANK							module and								
		Links to		Links to				adapter		Link to		Links to		Link to		
		purchase:		purchase:			Ш			purchase:		purchase:		purchase:		
		Price:	499	Price	599		+-+			Price:	49	Price:	67	Price:	47	
ARDUINO NANO									A							
AIDDING NAVO																
	Mr. Comment	Unks to purchase:		Unks to purchase:		Unk to purchase:			4 4	Unk to purchase:						
		Price:	220	Price	199	Price:	180			Price:	84					
	1								Ethe.							
OLED DISPLAY	13							SD card								
(128x32)	, E							Socket Module								
		Link to purchase:								Link to purchase:		Links to purchase:				
		Price:	133				Ш			Price:	35	Price:	64			
	.1111.								IIIIIII							
OLED DISPLAY (128x64)	1.3 inch OUID Color/White 4 Pin	tink to						2gb SD card	The state of the s	link to		tink- t-				
		Link to purchase:							X	Link to purchase:		Links to purchase:				
		Price:	242				П			Price:	180	Price:	199			
								D53231 RTC	Aller .							
Keypad								Real Time Clock								
ксурац								module with								
	-	Link to purchase:		Links to purchase:				battery		Link to purchase:		Links to purchase:				
		Price:	55	Price	99					Price:	85	Price:	155			
								Heavy Duty	OHNIO)							
Kimat one wire keypad module	O Grand							Ground Plug	Ad.							
"	Marin.	Unk to purchase:						20A-250V		Link to purchase:						
		Price:	68							Price:	70					
	<u> </u>							CMART Electrical								
30 amp 5v Relay								Plug 2 Prong Receptacle	do							
So amp SV Relay		Link to		Links to		Link to		Plug Power		Buy on local electronic						
	•	purchase:		purchase:		purchases	Ш	Plug Adaptor 250V 10A		store						
		Price:	198	Price	100	Price:	290			Price: (15- 30)	25					
PZEM-004TAC																
Voltage and Current Sensor										Buy on local						
	Connec	Link to purchase:		Links to purchase:		Link to purchase:		AC Stranded Wire		electronic store						
		Price:	350	Price	494	Price:	392			Price:(budget	120					
		THEE.	330	THEE		T III.C.	332	5V/3A 3V/1A	18690 BATTERY SHELD VS	,						
LM2956 Buck	Turk to the same of the same o							18650 Battery	Supports 2011 to and 2012 20 monoralization and puts 1027 vicinistics							
Converter								Shield V8 Mobile								
	100	Link to purchase:	L	Links to purchase:		Link to purchase:		Power Bank Extension		Link to purchase:	L_					
		Price:	57	Price	155	Price:	80			Price:	202					
	i							Stranded	2 1 1	Buy on local						
Printed circuit								wires		electronic store:(Buy 3						
board (PCB)		Unk to						(Connecting wires)		colors: white, red,						
		purchase:	<u> </u>		_		$\vdash$		-	black) Price:						
		Price:	30				Ш			(budget)	100					
Sim800L GSM								N-channel								
Module	Alexand Military							mosfet						m-t :		
	FC 205	Link to purchase;	L	Links to purchase:	L	Link to purchase:			III III	Link to purchase;	<u></u>	Links to purchase:		Link to purchase:		
		Price:	96	Price	136	Price:	285			Price:	48	Price:	60	Price:	95	
	1984							AC-DC 100- 240V To 5V								
Connecting wires								2A 2000MA	OA CO							
(female to male)								Switching Power								
	A BOTTON OF THE PARTY OF THE PA	Link to		Links to				Supply Module	S. Jane	Link to		Links to				
		purchase: Price:	69	purchase: Price:	49		$\vdash$			purchase: Price:	92	purchase: Price:	72			
							$\Box$									
	1															
Resistors	ULE															
		Buy on local electronic														
		store Price:	_		-		$\vdash$									
		(Estimated Budget)	50													
		8-7														
					1											