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TO DCST

PR-2023-0206-92903

CP 2/10/23



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : 6-1-816-2023-1-0-1

PR No.: STF-2023-02-00144

Date: 02-06-2023

Dept./Office: DCST

Category: IT Supplies and Equipment

Section/End-User: Michael D. Dag-uman

Project Title/Code: STF-MOOE F2F *PM*

Funding Source: Special Trust Fund

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Arduino Laboratory Kit	sets	3	2,500.00	DIONESIO I. ESTUPA	7,500.00

Specification:

Package List:

- Arduino UNO R3
- 1 x RFID reader module DS1302 clock module
- 1 x 5v step motor
- 1 x Step motor 2003 drive board
- 10 x Green LED
- 10 x Yellow LED
- 10 x Red LED
- 2 x Rocker switch
- 1 x Flame sensor
- 1 x LM35 sensor module
- 1 x Infrared receiver
- 3 x Light dependent resistors
- 1 x Remote controller
- 1 x Breadboard
- 4 x Push button ?with four cap?
- 1 x Buzzers
- 1 x Piezo sounders
- 1 x Adjustable resistor
- 1 x 74hc595
- 1 x 1 digital tube
- 1 x 4 digital tube
- 1 x 8*8 Dot matrix digital tube
- 1 X I2C 1602 LCD
- 1 x DHT11 Temperature and humidity module
- 1 x Relay module
- 1 x Sound module
- 20 x Dupont line (20cm)
- 30 x Bread board cable (15cm)
- 1 x Water sensor 1 x USB cable (57cm)
- 1 x PS2 Joystick

- 10x 1K resistors
- 10 x 10k resistor
- 10 x 220R resistors
- 1 x 4 * 4 keypad module
- 1 x 9g Sero(25cm)
- 1 x RFID card
- 1 x RGB module
- 2 x Jump cap
- 1 x 2.54 Pin head
- 1 x 9V Battery DC Jack

2	Crimper for RJ 45, Pass Through for CAT5, CAT6 UTP Cable	pc	2	1,500.00	DIONESIO I. ESTUPA	3,000.00
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Specification:

- ?Professional crimp tool crimps, strips and cuts cable for 6 and 8 position modular plugs/connectors for your variety of network needs.
- ?The crimp tool offers reliable, easy-to-use and affordable solution to meet immediate cutting needs.
- ?This user friendly device works with any Ethernet or telephone cable.
- ?Compact design with easy handle hand grips.
- ?Built-in cutter and stripper function.
- ?**Ratcheting Modular Crimper**
- ?It has a ratchet mechanism to keep tool closed when not in use.
- ?The Ratcheting Modular Crimper/Stripper is durably made from high-carbon steel for high performance.
- ?It helps provide fast, reliable modular-crimp connector installation for RJ45 voice and data applications.
- ?Cuts, Strips and Crimps Twisted Pair, Ethernet, RJ45 Voice and Data Cables.

3	Desktop Computer, Assembled, 12th Gen Core i3, No OS and Monitor	unit	24	18,000.00	MICHAEL ANTHONY JAY B. REGIS	432,000.00
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Specification:

- ?Processor: Intel i3-12100 4C/8T 3.30 GHz up to 4.30 GHz, with Intel® UHD Graphics 730 or higher
- ?Motherboard: Intel H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher
- ?RAM: 8GB DDR4 3200MHz or higher
- ?SSD: 250 GB SATA III, read speeds up to 550 MB/s or higher
- ?Generic mATX casing with 700W PSU

4	Ethernet Switch, 48-Port Gigabit Rackmount	unit	2	18,000.00	MICHAEL ANTHONY JAY B. REGIS	36,000.00
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Specification:

- 48 10/100/1000Mbps RJ45 ports
- Innovative energy-efficient technology saves power consumption
- Supports MAC address self-learning and auto MDI/MDIX
- Standard 19-inch rack-mountable steel case
- Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
- Interface 48 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX)
- Network Media 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)

- 100BASE-TX/1000BASE-T: UTP category 5, 5e or above cable (maximum 100m)
- Physical Security Lock No
- Switching Capacity 96Gbps
- Packet Forwarding Rate 71.4Mpps
- MAC Address Table 16K
- Buffer Memory 12Mb
- Jumbo Frame 12KB
- Transfer Method Store-and-Forward
- Certification FCC, CE, RoHS

5	Ink, Epson 001, Genuine Magenta 70ml, SKU: C13T03Y300	pieces	5	350.00	DIONESIO I. ESTUPA	1,750.00
6	Ink, Epson 001, Genuine Yellow 70ml, SKU: C13T03Y400	pieces	5	350.00	MICHAEL ANTHONY JAY B. REGIS	1,750.00
7	Ink, Epson 001, SKU: Genuine Cyan 70ml, SKU: C13T03Y200	pieces	5	350.00	MICHAEL ANTHONY JAY B. REGIS	1,750.00
8	Ink, Epson, 001, Genuine Black 127ml, C13T03Y100	pieces	5	650.00	MICHAEL ANTHONY JAY B. REGIS	3,250.00
9	Printer, Wi-Fi Duplex All-in-One Ink	pc	2	16,000.00	DIONESIO I. ESTUPA	32,000.00

Specification:

- **Printer Type:**Print, Scan, Copy
- **Print Method:**On-demand inkjet (piezoelectric)
- **Printer Language:**ESC/P-R, ESC/P Raster
- **Nozzle Configuration:**180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)
- **Maximum Resolution:**5760 x 1440 dpi
- **Automatic 2-sided Printing:**Yes (Up to A4)
- **Scanner Type:**Flatbed colour image scanner
- **Sensor Type:**CIS
- **Optical Resolution:**1200 x 2400 dpi
- **USB:**USB 2.0
- **Network:**Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
- **Network Protocol:**TCP/IP v4, TCP/IP v6
- **LCD Screen:**1.44" Colour LCD Screen

10	Solid State Drive, 250 GB, 2.5" SATA III	pc	25	2,000.00	DIONESIO I. ESTUPA	50,000.00
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Specification:

- ?Capacity: 250GB
- ?Interface: SATA III
- ?Storage technology: 3D NAND
- ?Sequential read speeds up to 560MB/s and sequential write speeds up to 530MB/s
- ?An industry leading 1.75M hrs mean time to failure (MTTF) and up to 500 TBs written (TBW) for enhanced reliability

11	Wifi 5 Mesh Router	unit	1	5,000.00	DIONESIO I. ESTUPA	5,000.00
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Specification:

- Wi-Fi 5: IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz
- AC1300: 5 GHz: 867 Mbps (802.11ac), 2.4 GHz: 400 Mbps (802.11n)
- Mesh Technology

- 4x Antennas (Internal)
- Beamforming
- Qualcomm 717 MHz Quad-core CPU
- Supports WAN/LAN auto-sensing
- WPA-Personal
- WPA2-Personal
- Certification: CE, FCC, IC, NCC, BSMI, IDA, RCM, JPA, JRF, VCCI, KC, RoHS

TOTAL

574,000.00

Purpose: Replacement of outdated PC in DCST Laboratory

Checked by:

MICHAEL ANTHONY JAY B. REGIS

Funds Available:

ALICIA M. FLORES

TWG - IT Supplies and Equipment

HEAD, BUDGET OFFICE

Signature:

Printed Name:

Designation:

Requested by:

MICHAEL D. DAG-UMAN

END USER

Noted by:

MAGDALENE C. UNA JAN

UNIT HEAD, PROJECT LEADER

Approved by:

EDGARDO E. TULIN

PRESIDENT, VSU