Managed Technical Service

Commertial Quote

Submitted to :

MAXVY Technologies Pvt Ltd

2ND FLOOR, 1197/1, 16th A Main Road, 22nd Cross Rd, Sector 3, HSR Layout, Bengaluru, Karnataka 560102

Scope of Work:

This engagement will be a one-time service to deliver the following:

● BMS design and development (Milestone #1)
○ BMS will be finalised after the initial test and power rating measurement
○ We will design the BMS for 8 Hour backup in idea environmental condition only ○ Safety and compliance testing: We will not provide support for the certification process. The power circuit will be constructed using off-the-shelf components sourced from reputable suppliers who adhere to established battery safety standards.
● PCB design and printing(Milestone #2)
○ PCB size will be finalised with client before print
○ Engraved PCB without silkscreen is the finish inside the enclosure
● Enclosure Design and Printing(Milestone #3)
○ 3D print (enclosure) formfactor will be discussed with client before print
● Deliverables as mutually agreed upon between Forge Innovation and Ventures and Maxvy Private Limited.

- Tentative time line is 10 working days
- The product specific technical requirements given by the client is listed in Annexure 1 2

Commercials:

The cost for this engagement will be a one-time fee based on the specific requirements outlined in the project agreement. This fee will cover the services outlined in the "Scope of Work" section and does not include any further tuning or process improvement activities.

	Infrastructure Cost (1+2)		₹4,820.00	₹6,320.00
	Tech Infrastructure Cost (1)		₹1,820.00	₹1,820.00
	3D Printer	Per Day Cost	₹500.00	₹500.00
	PCB milling machine	Per Day Cost	₹500.00	₹500.00

	Electronics Lab	Per Day Cost	₹820.00	₹820.00
	Physical Infrastructure Cost (2)		₹3,000.00	₹4,500.00
	Utilities, Maintenance & Housekeeping, and Facilities Services	10% of Total Project cost	₹3,000.00	₹4,500.00
	Consumables		₹1,500.00	₹7,500.00
	Samsung Li-ion Battery	INR18650-35E 3500mAh	Components from Client	Components from Client
	BMS & Battery Charging Module	2S 12A 3.6V		
	Battery Holder			
	Espressif ESP 32-c3	DevKitC-02 Development board		
	Display Module	2.4-inch SPI Interface 240×320		
	IR Sensor Module			
	3D Printer Filament Cost	Rs: 10/gms	₹1,500.00	₹7,500.00
	Human Resource Cost		₹22,500.00	₹22,500.00
	Engineer-PCB design	Rs: 4500/ Per Day - 1 Days	₹4,500.00	₹4,500.00
	Sr. Engineer (Power Electronics - 1, Enclosure design - 1)	Rs: 9000/ Per Day - 2 Day	₹18,000.00	₹18,000.00
	PCB Printing		₹1,500.00	₹7,500.00
	PCB Printing - Consumables	Copper Board , Drill bit, Female Header , Soldering, others	₹1,500.00	₹7,500.00

Terms and conditions:

Payment and Delivery Terms

1. **Scope of Quote:** The provided quote encompasses the technical services outlined herein and does not include additional costs such as Bill of Materials (BOM) or shipment charges. These costs will be invoiced separately.
2. **Payment Schedule:**
    - A non-refundable advance payment of 50% of the total project cost is required to initiate the project.
    - The remaining 50% of the project cost is due upon successful delivery of the completed project and acceptance by the client.
3. **Unforeseen Circumstances:** In the event of unforeseen circumstances that significantly impact the project scope or timeline, both parties will engage in good faith negotiations to determine appropriate adjustments to the project terms and conditions.
4. The quote is valid for 15 days from the date of - 31/7/2024

Annexure 1- Customer Requirements

MAXvy needs a plug and play based PCB design for VEGA Aries Micro V1.0 Development board, NodeMCU ESP8266 and 2.8" Nextion HMI Display. Specifically, they are looking for assistance with the following:

1. PCB Design:

- Layout and schematic design
- Component assembly
- Prototype development

2. Power Circuit Design:

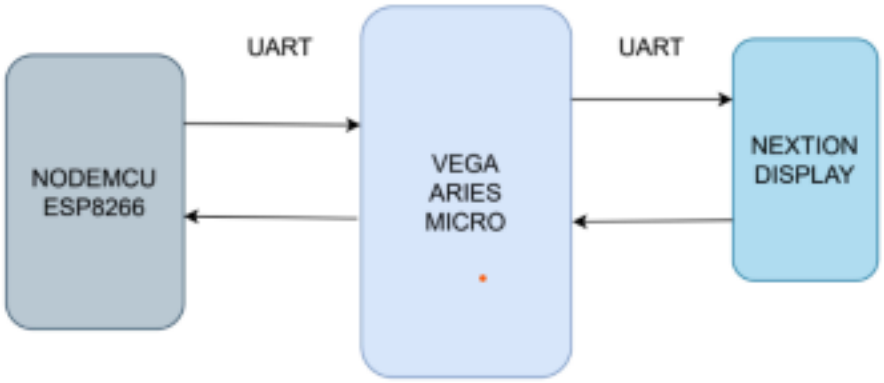
- Main power supply design
- Battery management system design

- Power distribution and regulation
- Safety and compliance testing
- Battery life up to 8 hours

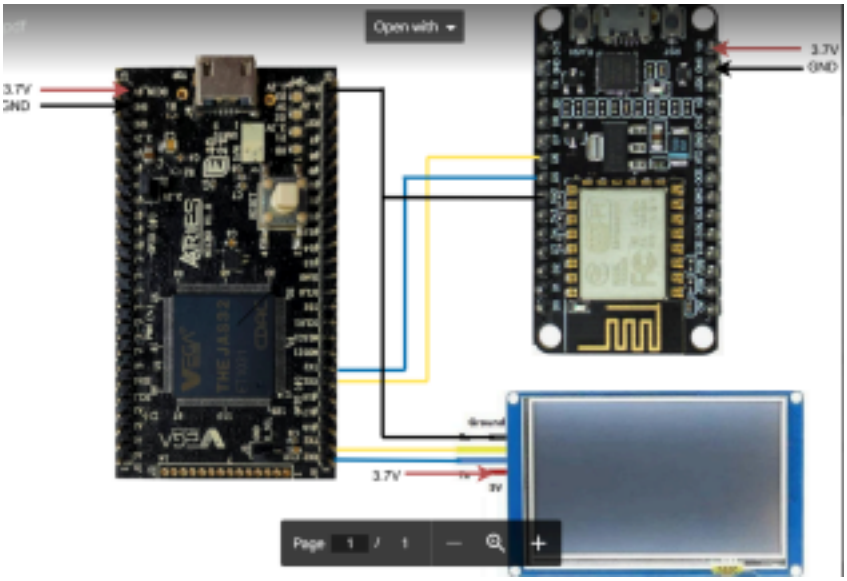
3. Enclosure Design:

- Conceptual and detailed design
- Material selection
- Thermal management
- Prototyping and production

Block Diagram



Pin Connection:



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VEGA - DISPLAY

RX2   - TX
TX2   - RX
GND   - GND

VEGA - ESP

RX1   - D6
TX1   - D5
GND   -GND
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