Assessment Overview and Guidelines

Objective

This assessment is designed to evaluate your analytical thinking, documentation clarity, visualization capability, and domain understanding in the context of Asset Performance Management (APM) in the renewable energy sector.

You are expected to complete two assessments:

1. **BRD + Wireframe Creation (p.2) –** to assess your ability to translate functional needs into structured requirements and intuitive UI design.
2. **Dashboard Design Mockup (p.3) –** to evaluate your approach to data visualization, stakeholder alignment, and metric-driven insights.

Guidelines for Submission

• **Completion Time:** The assessments must be completed and submitted within 3 calendar days from the date of receiving this document.
• **Mandatory Completion:** Both assessments are compulsory. Submitting only one will lead to automatic disqualification.
• **Tools Allowed:**
- For wireframes: Figma (preferred) or PowerPoint
- For dashboards: PowerPoint, Excel, or PDF format only
• **Original Work:** This assessment must reflect your independent thinking and work. Plagiarism or copying from other sources (including online tools, Gen AI apps, or sample projects) will lead to immediate disqualification.

Transparent Evaluation

To help you understand how your submission will be evaluated, we have included the Assessment Evaluation Rubric at the end of this document. This reflects the exact parameters we will use to assess your work across:
- Requirement gathering and structuring
- Wireframe usability
- Dashboard design and logic
- Domain relevance and communication of insights

Disclaimer

This assessment is confidential and is meant for individual use only. Sharing, publishing, or reusing this document or any part of your submission elsewhere is strictly prohibited and may lead to legal or professional consequences.

Assessment Test 1: BRD + Wireframe Creation for APM Use Case

Title:

Designing a Requirement Specification for a Solar PV APM Dashboard

Scenario:

Your company operates 50 solar power plants globally. Asset managers and regional engineers need a *dashboard to monitor plant performance, detect underperformance, and plan maintenance*.

As a Product Analyst, your task is to create a ***Business Requirement Document (BRD)*** *and a* ***basic wireframe*** *of the proposed solution*.

Deliverables:

1. **Business Requirement Document (max 6-8 pages)**
    - Executive Summary
    - Stakeholder analysis
    - Key problem statement(s)
    - Functional & non-functional requirements
    - Sample data elements to be captured
    - Reporting/ alert expectations
    - KPIs to be monitored
2. **Wireframe Design**
    - Wireframe of 2 screens (e.g., Dashboard Overview and Asset Drilldown)
    - Tools allowed: Figma (preferred) or PowerPoint
    - Include a few example filters and visualizations

Evaluation Focus:

- Clarity and structure of the BRD
- Relevance of KPIs and use cases
- Wireframe usability and stakeholder focus
- Clarity in user journey and features in wireframe
- Domain awareness of renewable energy APM

Assessment Test 2: Dashboard Design Use Case (No-Code)

Title:

Mock Dashboard Design for Performance Deviation in Wind Farms

Scenario:

You've been asked to help design a dashboard for internal CXOs to identify wind turbines with significant performance deviations over the last 30 days. You are to demonstrate your ability to ***conceptualize a dashboard*** *using Excel or PowerPoint* (no BI tool access required).

Deliverables:

1. **Dashboard mock-up (PowerPoint, Excel, or PDF)**
    - Include 4–5 key visuals: e.g.,
        - Performance deviation chart
        - Turbine-wise comparison
        - Alert/flag for low-performing turbines
        - Heatmap by region or site
    - Include slicers/filters such as region, wind class, OEM
2. **Dashboard Logic Document (1–2 pages)**
    - What logic or thresholds did you apply?
    - What data would you need to generate this dashboard?
    - Who are the users and how would they use this dashboard?

Evaluation Focus:

- Visualization clarity and layout
- Understanding of dashboard logic and context
- Communication of insights from mock data
- Thought process behind KPI/metric selection

Here's a view of assessment that will be conducted:

Assessment	Evaluation Area	Criteria	Max Score	Score of candidate 1	Score of candidate 2	Score of candidate 3	Score of candidate #....
BRD + Wireframe	Clarity and Structure of BRD	Logical flow, clarity of sections, grammar, and formatting	10				
BRD + Wireframe	Identification of Business Requirements	Correctly identifies stakeholders, goals, and constraints	10				
BRD + Wireframe	Domain Relevance (Renewable Energy APM)	Demonstrates understanding of solar PV performance management	10				
BRD + Wireframe	Wireframe Usability and Design	Clear layout, logical component placement, intuitive design	10				
Dashboard Mockup	Clarity and Insight of Visualizations	Effective visual choices and easy-to-read layout	10				
Dashboard Mockup	Logic and KPI Justification	Rationale for metric thresholds and layout	10				
Dashboard Mockup	Data Thinking and Practicality	Realistic assumptions on data needs and usability	10				
Dashboard Mockup	Audience Alignment	Dashboard tailored for CXO needs and decision-making	10				
			Total				