Project Design Phase-I Solution Fit

UAT Initiation and Design

Date	18 October 2022
Team ID	PNT2022TMID43271
Project Name	
	Efficient water quality analysis & predicition using machine learning
Maximum Marks	8 Marks

IT NPI: 3 - Design Phase

Entry Criteria: - Key Inputs	Design Phase: Owner: IT-BSA Complete solution design with clearly documented specifications and schematics. Prototyping, POC occurs to confirm design meets requirements.	Exit Criteria: - Key Deliverables
 Final, detailed project plan, ROI, budget Signed off BRD Preliminary functional design and AS-IS/TO-BE process flows complete Initial infrastructure assessment Build vs. Buy 	1. New business process documentation and review 2. Use case/testing strategy 3. Fit/Gap analysis 4. Functional and technical spec documentation 5. Functional and technical design reviews 6. Dev environment set up 7. SOX controls impact assessment 8. IT architecture review	1.Functional & Technical Design Specifications 2.Design review and sign of by business 3.IT architectural approval 4.SOX controls approval 5.Testing plans/business use cases 6.Infrastructure plan

Target Value	nit of Measure	,U	
1± 5%	MicroLiters	Create Droplet Micro Liters	MicroLiter
5-25	೦,	Controlled Temperature Range	
+/-5%	% RH	Humidity Display Accuracy % RH	
+/-1	ာ့	Temperature Display Accuracy	18
10	Minutes	Maximum Test Set-Up Time Minutes	
б	On/Off	Safety Latch Functionality On/Off	
Yes	Yes/No		FD Ability to View Under Microscope Yes/No
Yes	Yes/No	Ability to View Under Camera Yes/No	
<5%	% Volume	Evaporation After 30 Min % Volume	
			KEY for Concluded condition
			Does not meet expectation
		cification is met	Caution-Undetermined if specification is met
			Meets specification

Identify strong TR & EM