SCALING TABLE

QUESTİON	SCALING RANGE	SECTIONS	MIN-MAX (Min and max score that can be obtained from this section)
SECTION 1 - Technology Overview and General Information (MAX 10)			
1.8. Development Stage	1-10	• R&D Project Idea (A concept or idea in its initial stages, planned for further development.) 1 • Immature Research Result (Initial research findings that require further development or validation.) 2 • Mature Research Result (Fully developed research outcomes with significant validation or proof.) 3 • Development Phase (The stage where research results are transformed into technical solutions, products, or processes.) 4 • Proof of Concept (Demonstrating the feasibility and basic principles of a technology or idea.) 5 • Prototype (The first physical or digital model of the technology or product, created for testing purposes.) 6	1-10

		• Pilot (Small-scale application or testing phase in real-world conditions.) 7 • Validation in Real Operational Environment (The stage where the technology's performance is verified under actual operational conditions.) 8 • Market Introduction (The stage where the technology or product is launched into the commercial market for the first time.) 9 • Mass Production (Transition to large-scale production of the technology or product.) 10 • Scaling-Up Phase (Expanding the technology's application and market reach to a larger scale.) 10 • Other (Please Specify) Expert gives score	
SECTION 2 - Technology Maturity and Intellectual Property Status (MAX 44)			
2.1. Technology Readiness Level (TRL)	1-9	• TRL-1: Basic principles observed (Scientific observation made and reported. Examples could include paper-based studies of a technology's basic properties.) 1 • TRL-2: Technology concept formulated (Envisioned applications are speculative at this stage. Examples are often limited to analytical studies) 2 • TRL-3: Experimental proof of concept (Effective research and development initiated. Examples include analytical predictions) 3	1-9

		• TRL-4: Technology validated in lab (Technology Validated through designed investigation. Examples might include analysis of the technology parameter operating range. The result provides evidence that envisioned application performance requirements) 4 • TRL-5: Technology validated in relevant environments (Reliability of technology significantly increases. Examples could involve validation of a semi-integrated system/model of technological and supporting elements in a simulated environment.) 5 • TRL-6: Technology demonstrated in a relevant environment (Prototype system verified. Examples might include a prototype system/model being produced and demonstrated in a simulated environment.) 6 • TRL-7 System model or prototype demonstration in operational environment (A major step increase in technological maturity. Examples could include a prototype model/system being verified in an operational environment.) 7 • TRl-8: System complete and qualified (System/model produced and qualified. An example might include the knowledge generated from TRL-7 being used to manufacture an actual system/model, which is subsequently qualified in an	

		operational environment. In most cases, this TRL represents the end of development.) 8 • TRL-9: Actual system proven in operational environment (System/model proven and ready for full commercial deployment. An example includes the actual system/model being successfully deployed for multiple missions by end users.) 9	
2.7. What is the current adoption at the national level? (multiple can select)	0-10	• Adopted by the private sector (Technology is used across various industries or private companies.) 9 • Pilot projects available (Technology is being tested in limited-scale pilot projects.) 5 • Adopted by public institutions and integrated into national programs (The technology is broadly used in the public sector and aligned with national strategies.) 10 • Under evaluation by stakeholders (Technology is being considered or assessed by potential users or stakeholders.) 3 • Limited adoption (Technology is in use, but on a small scale or in niche applications.) 6 • Under research and development (Technology is not yet adopted but is under development or testing.) 1	0-15

		• Other (Please Specify) Expert gives score	
2.12.1. What is the status of intellectual property protection? (multiple can select)	0-10	• National patent application filed and in the evaluation stage 4 • National patent application rejected 0 • National patent registration available 9 • International patent application filed and in the evaluation stage 6 • International patent application rejected 0 • International patent registration available 10 • Utility model application made and in the evaluation stage 2 • Utility model application rejected 0 • Utility model available 8	0-15
2.13. Are there any existing license agreements?	0-5	• Yes 5 • No 0	0-5

SECTION 3 - Potential Local Impact (MAX 27)			
3.1 When your technology will be launched?	0-5	• Already launched 5 • Within 6 months 4 • 6 – 12 months 3 • 1 – 2 years 2 • 2 – 3 years 1 • 3+ years 0 • Other (Please Specify) Expert gives score	0-5
3.2 Does technology reduce costs for local businesses?	0-2	• Yes 2 • Partially 1 • No 0 • N/A 0	0-2
3.3 Does technology create new job opportunities in the local economy?	0-2	• Yes, it creates many new job opportunities 2 • Yes, it creates a limited number of job opportunities 1 • No, it does not create job opportunities 0 • N/A 0	0-2
3.4 Has the implementation of technology	0-2	• Yes, there has been a significant improvement. 2 • Yes, but limited improvement has been observed 1	0-2

improved the level of education and competence in the community?		• No, it has had no impact 0 • N/A 0	
3.5. Does technology improve the quality of life of the community?	0-2	• Yes, significantly 2 • Partially improved 1 • No, no impact 0 • N/A 0	0-2
3.6. Do local communities have sufficient access to technology?	0-2	• Yes, everyone has access 2 • No, access is limited 1 • No, access is not possible 0 • N/A 0	0-2
3.7. Does technology reduce energy consumption?	0-2	• Yes 2 • Partially 1 • No 0 • N/A 0	0-2
3.8. Has technology transformed existing practices or	0-2	• Yes, to a great extent 2 • Yes, but only to a limited extent 1 • No, it has not 0 • N/A 0	0-2

lifestyles of local communities?			
3.9. Does technology encourage innovative solutions in the local sector?	0-2	• Yes, to a great extent 2 • Yes, but to a limited extent 1 • No, it does not. 0 • N/A 0	0-2
3.10. Has the technology changed existing methods used in the local sector?	0-2	• Yes, completely changed 2 • Partially changed 1 • No, it has not 0 • N/A 0	0-2
3.11. What is the rate of technology diffusion at the local level?	0-2	• High 2 • Medium 1 • Low 0 • N/A 0	0-2
3.12. How do local people generally evaluate this technology?	0-2	• Positive 2 • Neutral 1 • Negative 0 • N/A 0	0-2
SECTION 4 - Feasibility (MAX 33)			

4.1 Can the technology be easily implemented using existing infrastructure?	0-2	• Yes, it is fully applicable. 2 • Partially applicable, some modifications are required. 1 • No, it requires major technical changes. 0	0-2
4.2 Is additional research or development work required to develop the technology?	0-2	• No, it is completely ready 2 • Yes, only a low level of effort is required 1 • Yes, a significant amount of R&D work is required 0.	0-2
4.3 Does the implementation require special expertise or equipment?	0-2	• No, can be implemented with existing resources. 2 • Yes, but easily available.1 • Yes, hard-to-reach resources are needed. 0	0-2
4.4. Are your existing financial resources sufficient to implement this technology?	0-2	• Yes, fully sufficient 2 • Partially sufficient 1 • No, additional financing is required 0	0-2

4.5 What is the investment cost required for the development of the technology?	0-4	• Negligible (No significant investment required. The technology can be implemented with minimal costs using existing resources.) 4 • Low (Can be covered by the existing budget. Implementation is feasible within the organization's current financial capacity.) 3 • Medium (Additional financing may be required. Moderate investment is needed, and external funding sources might be required.) 2 • High (Large-scale investment required. Significant capital investment is essential for implementation.) 1 • Very High (Transformational or infrastructure-level investment required. Implementation requires a substantial financial commitment, such as building new facilities or major infrastructure upgrades.) 0 • Other (Please Specify) Expert gives score	0-4
4.6 What is the estimated return on investment (ROI) of the technology?	0-2	• 1 year or less 2 • 1-3 years 1 • More than 3 years 0	0-2
4.7 Can the technology meet the targeted market demand	0-2	• Yes, fully aligned with market demand 2 • Partially aligned, some adaptation may be required 1 • No, incompatible with market demand 0	0-2
4.8 Are similar technologies	0-2	• No, this technology is unique 2 • Yes, but this technology provides a competitive advantage 1	0-2

available in the target market		• Yes, this technology is on par with existing competitors 0	
4.9 Are there significant barriers to market entry?	0-2	• No, completely smooth 2 • Partially, but surmountable 1 • Yes, there are significant barriers 0	0-2
4.10 Is the application of technology environmentally sustainable	0-2	• Yes, completely sustainable 2 • Partially sustainable, there may be some impacts 1 • No, may pose environmental risks 0	0-2
4.11 Does technology contribute to reducing carbon emissions?	0-2	• Yes, directly and significantly 2 • Yes, but with limited impact 1 • No, it does not make such a contribution 0	0-2
4.12 Does the application of technology contribute to the local community and economy?	0-2	• Yes, it makes direct and measurable contributions 2 • Partially, there may be indirect benefits 1 • No, no direct contribution 0	0-2
4.13 Does technology have	0-2	• Yes, it creates significant employment 2 • Partially, it may offer limited employment opportunities 1 • No, this technology does not create employment 0	0-2

the potential to create jobs?			
4.15 How likely is the success of this technology for internationalization?	0-5	• Very High Probability (The technology is highly innovative, has strong market potential, and aligns perfectly with international needs) 5 • High Probability (The technology has a competitive edge and moderate barriers for entry into international markets) 4 • Medium Probability (The technology has potential but may face significant competition or require substantial adjustments for global adoption) 3 • Low Probability (The technology has limited differentiation, significant barriers, or may not align well with international markets) 2 • Very Low Probability (The technology is unlikely to succeed internationally due to major challenges or lack of global relevance) 1 • Uncertain/Requires Further Assessment (The technology's international success is unclear and requires additional analysis or validation) 0	0-5
SECTION 5 - Attachments (MAX 4)			
Attachment	0-4	• Attach an already-developed website dedicated and presenting the technology	0-4
SECTION 6 – Expert Opinion (MAX 35)			
6.3 Market Fit - How well does this technology align with	1-10	• Excellent (The technology perfectly addresses current market demands and aligns seamlessly with emerging trends.) 10	1-10

current market needs and trends?		• Good (The technology meets most market needs and aligns with some important trends.) 8 • Average (The technology addresses certain market demands but may require significant adjustments to fully align with trends.) 5 • Poor (The technology has limited relevance to current market needs and trends.) 3 • Emerging Fit (The technology does not yet align with current needs but has strong potential for future trends.) 1 • Other (Please Specify) Expert gives score	
6.4 Scalability - What is your opinion on the scalability of this technology for broader markets?	1-10	• Highly Scalable (The technology can easily expand to larger markets or increased demand with minimal additional costs or effort.) 10 • Moderately Scalable (The technology can expand to broader markets but requires some adjustments or investments to handle growth effectively.) 8 • Limited Scalability (The technology has restricted potential for scaling due to inherent limitations in design, infrastructure, or market relevance.) 6 • Not Scalable (The technology can expand within specific regions or sectors but may face challenges in entering global or unrelated markets.) 4 • Regionally Scalable (The technology can expand within specific regions or sectors but may face challenges in entering global or unrelated markets.) 2 • Future Scalability Potential (The technology is not currently scalable but could become so with further development or strategic changes.) 1 • Other (Please Specify) Expert gives score	1-10
6.5 Competitive Edge - Does this	1-5	• Yes, Strong (The technology offers unique and highly differentiating features that provide a clear advantage over competitors globally) 5	1-5

technology have a distinct competitive advantage in the global market?		• Yes, MOderate (The technology has some differentiating features but may require further enhancement to strengthen its global position) 4 • No, limited Competitive Edge (The technology does not currently have significant differentiating factors compared to existing global competitors) 3 • Not Sure (Unclear whether the technology does not currently have significant differentiating factors compared to existing global competitors) 2 • Potential Competitive Edge (The technology has potential but requires additional development, marketing, or strategic alignment to establish a strong advantage.) 1 • Other (Please Specify) Expert gives score	
6.7 Overall Rating - How would you rate the technology's overall potential on a scale of 1 to 10? (1:Very low potential – 10: Very high potential)	1-10	• 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10	1-10

The final score out of 186 determines the overall potential

Score Range	Evaluation Category	Description
150 - 186	Highly Promising Technology	Excellent technology with high readiness and impact
100 - 149	Very Promising Technology	Strong technology with minor improvements needed
65 - 99	Moderately Promising Technology	Good potential but requires improvements
35 - 64	Needs Significant Development	Requires considerable work to improve feasibility
Below 35	Early Stage / Not Ready	Technology is in its early stages; significant gaps exist