Entrepreneurship And Innovation Cell, SAKEC

PROOF OF CONCEPT FORM

PART A: Idea/PoC (Product/Service/Process)

Team Details	**Team Lead:**		
	Name	Email	Contact no.

Team Members Details:

Sr. No.	Name	Email	Contact no.

Company Name and Address:

Name of the Idea/Proof of Concept (PoC)	
Theme	…… *Chose the most appropriate theme (max 2) from **Annexure 1***
Define the problem & relevance to today's market/society/industry need (*Max 100 words***)**	
Propose the solution to Problem Identified (*Max 100 words***)**	

Describe the product/process/ service and write how it is innovative/unique. (*Max 100 words***)**	
How is your proposed product/ process/service different/ better from a similar product/ process/ service, if any, in the market (*Max 100 words***)**	
If your Idea is technology based, then specify the TRL Level (Technology Readiness Level) and Expecting the features of Idea/PoC? ***Note:*** *For the Idea level, TRL 0 – 2 is expected.* *For the PoC level, TRL 3 is expected.* *(Max 100 words) Chose most appropriate TRL level from **Annexure 1***	
Feasibility of Idea/PoC solution (SMART) *(Check the appropriateness of the Idea/PoC)* *(Max 50 words for each from a-e)*	
(a) Specific- Specify the features of Innovative Idea/PoC.	
(b) Measurable- Mention the approach to convert idea/PoC to Prototype/Innovation with milestones.	

(c) Attainable- Explain how you are going to achieve the prototype development objective with the available resources at your disposal.	
(d) Realistic- what kind of skillset of team and resources are required to achieve the goal in specific time period?	
(e) Timeline- Develop a timeline against the milestones for taking Idea/PoC to Prototype Development and (or) Commercial level/start-up stage.	

<div align="center">

Applicability of Solution
(Max 50 words for each from a-e)

</div>

(a) Usability: what is the usability of your innovation. (Level of acceptance of innovation and its Features among target group)	
(b) Scalability: how your innovation will be scalable at market level.	
(c) Economic sustainability: Explain the potential of innovation to become profitable or financially viable.	
(d) Environment Sustainability: How your innovation is environment friendly or address environmental problems.	
(e) Is there any Intellectual Property (IP) Component associated with innovation? if yes, explain.	

Define the potential market size (in terms of INR) and target customers. *(Max 100 words)*	

Annexure 1

Themes:

1. Healthcare & Biomedical devices
2. Agriculture & Rural Development
3. Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
4. Food Processing.
5. Robotics and Drones.
6. Waste management.
7. Clean & Potable water.
8. Renewable and Affordable Energy.
9. IoT-based technologies (e.g. Security & Surveillance systems etc)
10. ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML

9 stages of TRL:

- TRL 0: Idea. Unproven concept, no testing has been performed.
- TRL 1: Basic research. Principles postulated observed but no experimental proof is available.
- TRL 2: Technology formulation. The concept and application have been formulated.
- TRL 3: Applied research. First laboratory tests completed; proof of concept.
- TRL 4: Small-scale prototype built in a laboratory environment ("ugly" prototype).
- TRL 5: Large-scale prototype tested in the intended environment.
- TRL 6: Prototype system tested in an intended environment close to expected performance.
- TRL 7: Demonstration system operating in the operational environment at a pre-commercial scale.
- TRL 8: First of a kind commercial system. Manufacturing issues solved.
- TRL 9: Full commercial application, the technology available for consumers.

For any Query:

Write us at email: info@ecellsakec.in with email subject line: "***Project Pillar 2022 Query***"