



॥ उद्यमशीलता समृद्धिम् आनयति ॥

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	<p>.....</p> <p><i>Chose the most appropriate theme (max 2) from Annexure 1</i></p>
Define the problem & relevance to today's market/society/industry need (Max 100 words)	
Propose the solution to Problem Identified (Max 100 words)	



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<p>Describe the product/process/ service and write how it is innovative/unique. (Max 100 words)</p>	
<p>How is your proposed product/ process/service different/ better from a similar product/ process/ service, if any, in the market (Max 100 words)</p>	
<p>If your Idea is technology based, then specify the TRL Level (Technology Readiness Level) and Expecting the features of Idea/PoC?</p> <p>Note: For the Idea level, TRL 0 – 2 is expected.</p> <p>For the PoC level, TRL 3 is expected.</p> <p>(Max 100 words) Chose most appropriate TRL level from Annexure 1</p>	
<p align="center">Feasibility of Idea/PoC solution (SMART) (Check the appropriateness of the Idea/PoC) (Max 50 words for each from a-e)</p>	
<p>(a) Specific- Specify the features of Innovative Idea/PoC.</p>	
<p>(b) Measurable- Mention the approach to convert idea/PoC to Prototype/Innovation with milestones.</p>	
<p>(c) Attainable- Explain how you are going to achieve the prototype development objective with the available resources at your disposal.</p>	



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<p>(d) Realistic- what kind of skillset of team and resources are required to achieve the goal in specific time period?</p>	
<p>(e) Timeline- Develop a timeline against the milestones for taking Idea/PoC to Prototype Development and (or) Commercial level/start-up stage.</p>	
<p align="center">Applicability of Solution (Max 50 words for each from a-e)</p>	
<p>(a) Usability: what is the usability of your innovation. (Level of acceptance of innovation and its Features among target group)</p>	
<p>(b) Scalability: how your innovation will be scalable at market level.</p>	
<p>(c) Economic sustainability: Explain the potential of innovation to become profitable or financially viable.</p>	
<p>(d) Environment Sustainability: How your innovation is environment friendly or address environmental problems.</p>	
<p>(e) Is there any Intellectual Property (IP) Component associated with innovation? if yes, explain.</p>	
<p>Define the potential market size (in terms of INR) and target customers. (Max 100 words)</p>	



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"**