# ­­Entrepreneurship And Innovation Cell, SAKEC

## Guideline and Evaluation Criteria Sheet for Proof of Concept (PoC) Submission

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| --- | --- | --- | --- |
| **Proof** **of** **Concept** **(PoC)** **Title:** | | | |
| **Team** **Leader** **Name:** | | **Email:** | |
| **PoC** **Type:** **(Multiple** **Select,** **Tick** **Appropriates)**  Introduction of new or improved services Introduction of new method of production/ process Opening of new market  Exploration of a new source & supply Reengineering/ organization of business management process | | **Contact** **no:** | |
| **Theme** **Name:** | |
| **Sl.** **No.** | **Parameters** | **Total** **Marks** | **Marks** **Obtained** |
| **1.** | **Relevance** **and** **Validation** **of** **Problem** **&** **Solution** | **15** **Marks** |  |
| **(a)** Is the proposed Solution/Concept having ability (is effective) to address the Identified problem to a major extent? | *10 Marks* |  |
| **(b)** Is the proposed Solution/Concept considered to be one of best alternative (or) Only Solution to the Identified Problem? | *5 Marks* |  |
| **2.** | **Feasibility** **of** **solution** **(SMART)**  (To Check the appropriateness of the proposed solution) | **25 Marks** |  |
| **(a)** **Specific-** Does the PoC set the objectives and delineate the objectives of solutions clearly? | *5 Marks* |  |
| **(b)** **Measurable-** Does the PoC explained the approach or method with milestones to achieve objectives mentioned above to develop the Solutions? | *5 Marks* |  |
| **(c)** **Attainable-** Does the solution with objectives and millstones provided by PoC team is attainable/doable if enough time and resources will be provided? | *5 Marks* |  |
| **(d)** **Realistic-** Does the solution with objectives and millstones provided by PoC team is attainable in the time, with available resource and skillset of the team? | *5 Marks* |  |
| **(e)** **Timeline-** Does the time period for millstones give is realistic and level of confidence of team to complete the stages to reach prototype/Innovation in the given time period. (TRL 2 or TRL 3 in 2-3 months) | *5 Marks* |  |
| **3.** | **Applicability of Solution** | **10 Marks** |  |
| (a) Usability: Level of acceptance of Solution/Features among target group | *2 Marks* |  |
| (b) Scalability: Adoption Potential of Solution as Business Model/Start-up | *2 Marks* |  |
| (c) Economic Sustainability: Potential of solution to Become profitable or financially viable | *2 Marks* |  |
| (d) Environment Sustainability: Potential of solution to become environment friendly or address environment problems | *2 Marks* |  |
| (e) Existence of Intellectual Property Component, if any? | *2 Marks* |  |
| **Total** | **50 Marks** |  |

## 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](mailto:info@ecellsakec.in) with email subject line: “***Project Pillar 2022 Query***”