Institution's Innovation Council

MHRD's Innovation Cell, AICTE

Idea Submission Form

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

<table>
<tr><td>Team Details</td><td>

Team Lead:

Name		Email	Contact no.

Team Members Details:

Sr. No.	Name	Email	Contact no.

Add more fields if required

Mentor (if any)

Sr. No.	Name	Email	Contact no.

Add more fields if required

Institute Name and Address:

</td></tr>
</table>

Name of the Idea/Proof of Concept (PoC)	
Theme	…… *Chose 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)*	

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

How is your proposed product/ process/service being 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 required to achieve the goal in specific time period?	

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

(e) Timeline- Develop a timeline against the milestones for taking Idea/PoC to Prototype Development and (or) Commercial level/start-up stage.	
Applicability of Solution 10 Marks *(Max 50 words for each from a-e)*	
(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)*	

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

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, Block chain, 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 available.

TRL 2 : Technology formulation. 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 intended environment.

TRL 6 : Prototype system tested in intended environment close to expected performance.

TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.

TRL 8 : First of a kind commercial system. Manufacturing issues solved.

TRL 9 : Full commercial application, technology available for consumers.

For any Query:

Write us at email: iic.mhrd@aicte-india.org with email subject line: "***Innovation Contest 2020 Query"***