

## Institution's Innovation Council

### MHRD's Innovation Cell, AICTE

## Idea Submission Form

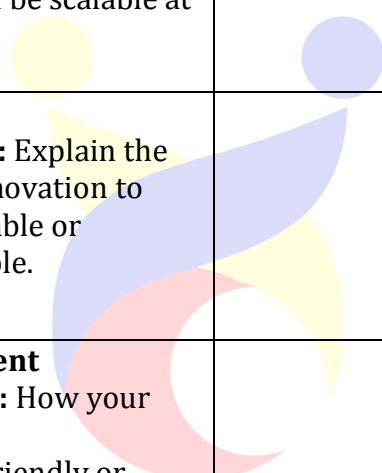
### PART A: Idea/PoC (Product/Service/Process)

<b>Team Details</b>	<b>Team Lead:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Name</td><td style="width: 33%;"></td><td style="width: 33%;">Email</td><td style="width: 33%;">Contact no.</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> </table>				Name		Email	Contact no.								
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	<b>Team Members Details:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">Sr. No.</th><th style="width: 40%;">Name</th><th style="width: 30%;">Email</th><th style="width: 20%;">Contact no.</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> <p><i>Add more fields if required</i></p>				Sr. No.	Name	Email	Contact no.								
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	<b>Mentor (if any)</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">Sr. No.</th><th style="width: 40%;">Name</th><th style="width: 30%;">Email</th><th style="width: 20%;">Contact no.</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> <p><i>Add more fields if required</i></p>				Sr. No.	Name	Email	Contact no.								
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	<b>Institute Name and Address:</b>															

<b>Name of the Idea/Proof of Concept (PoC)</b>	
<b>Theme</b>	<p>.....</p> <p><i>Chose most appropriate theme (max 2) from Annexure 1</i></p>
<b>Define the problem &amp; relevance to today's market/society/industry need (Max 100 words)</b>	
<b>Propose the solution to Problem Identified (Max 100 words)</b>	
<b>Describe the product/process/ service and write how it is innovative / unique. (Max 100 words)</b>	

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

<p><b>(e) Timeline-</b> Develop a timeline against the milestones for taking Idea/PoC to Prototype Development and (or) Commercial level/start-up stage.</p>	
<p align="center"><b>Applicability of Solution 10 Marks</b> (Max 50 words for each from a-e)</p>	
<p><b>(a) Usability:</b> what is the usability of your innovation. (Level of acceptance of innovation and its Features among target group)</p>	
<p><b>(b) Scalability:</b> how your innovation will be scalable at market level.</p>	
<p><b>(c) Economic sustainability:</b> Explain the potential of innovation to become profitable or financially viable.</p>	 <p align="center"><b>INSTITUTION'S INNOVATION COUNCIL</b> (Ministry of HRD Initiative)</p>
<p><b>(d) Environment Sustainability:</b> How your innovation is environment friendly or address environmental problems.</p>	
<p><b>(e)</b> 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, 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](mailto:iic.mhrd@aicte-india.org) with email subject line: "**Innovation Contest 2020 Query**"