

Institution's Innovation Council

MHRD's Innovation Cell, AICTE

Prototype Submission Form

PART A: Innovation Development Plan (Product/Service/Process)

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

Name of the Innovation/Prototype	
Theme	<p>.....</p> <p><i>Chose most appropriate theme (max 2) from Annexure 1</i></p>
Define the problem & solution developed. <i>(Max 100 words)</i>	
Describe the product/process/ service and write how it is innovative / unique. <i>(Max 100 words)</i>	

<p>How is your proposed product/ process/service being different/ better from a similar product/ process/ service, if any, in the market (Max 100 words)</p>	
<p>If your Innovation is technology based then specify the TRL Level (Technology Readiness Level) and features of Prototype.</p> <p>Note: For the prototype level, TRL 4- 7 is expected.</p> <p>(Max 100 words) Chose most appropriate TRL level from Annexure 1</p>	
<p align="center">Feasibility of solution (SMART) (Check the appropriateness of the Innovation/prototype) (Max 50 words for each from a-e)</p>	
<p>(a) Specific- Specify the features of Innovation/ Prototype.</p>	
<p>(b) Measurable- Mention the approach to convert prototype in to market ready product with milestones.</p>	
<p>(c) Attainable- Explain how you are going to achieve the commercialization objective with the available resources at your disposal.</p>	
<p>(d) Realistic- what kind of skillset of team and resources required to achieve the goal in specific time period?</p>	
<p>(e) Timeline- Develop a timeline against the milestones for taking prototype to the commercial level/startup stage.</p>	

Applicability of Solution 10 Marks

(Max 50 words for each from a-e)

<p>(a) Usability: what is the usability of your innovation/ prototype. <i>(Level of acceptance of innovation and its Features among target group)</i></p>	
<p>(b) Scalability: how your innovation/ prototype will be scalable at market level.</p>	
<p>(c) Economic sustainability: Explain the potential of innovation/ prototype to become profitable or financially viable.</p>	
<p>(d) Environment Sustainability: How your innovation/ prototype is environment friendly or address environmental problems.</p>	<p>INSTITUTION'S INNOVATION COUNCIL</p>
<p>(e) Is there any Intellectual Property (IP) Component associated with innovation/ prototype? if yes, explain.</p>	<p>(Ministry of HRD Initiative)</p>
<p>Define the potential market size (in terms of INR) and target customers. <i>(Max 100 words)</i></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 with email subject line: ***"Innovation Contest 2020 Query"***