

CRPO POC Fund Application Preliminary Assessment



For official use

Tracking no.: CRPO/ /

Kindly fill in the following sections and submit the completed form to CRPO via e-mail jiahan.goh@ntu.edu.sg.

Title of Project:	
Name of main applicant:	
Institute for Higher Learning (IHL)/Research Institute (RI)	
School/Department/Centre	
Email:	
Phone:	
Industry collaborators (if any)	
Industry collaborator details (designation, email, and contact number)	

Project Details

Kindly check where applicable

1. Is this proposal covered by any existing IP? ☐ Yes ☐ No

If IHL/RI, kindly provide details of all IPs: _____

[*TD/ /]

**If a Technology Disclosure (TD) has previously been submitted to respective IHL/RI on any invention related to this POC project*

If non-IHL/RI IP, kindly state: _____

Kindly also elaborate for non-IHL/RI IPs, who is the owner of IP and what's the relationship with the POC project, and what's the plan to license or acquire the IP

2. Has the research of this application been completed? ☐ Yes ☐ No

If yes, has any proof-of-principle been obtained? ☐ Yes ☐ No

If yes, has any paper on this technology been published? ☐ Yes ☐ No

3. Are you a past or present (any kind of) POC Awardee? ☐ Yes ☐ No

If yes, kindly state grant details, project title, and outcomes:

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Has this project received any prior funding? ☐ Yes ☐ No

If yes, kindly state all funding details:

4. Have you started any spin-off companies? ☐ Yes ☐ No

If yes, kindly state company name, funding, and revenue status:

5. Are you in discussion with any companies in the industry? ☐ Yes ☐ No

If yes, kindly state company names and comments: _____

6. If you are not in discussion with industry, are you interested in spinoff? ☐ Yes ☐ No

7. If you are spinoff targeted, you must go through National GRIP? ☐ Yes ☐ No

8. Kindly give a brief description of the project.

9. Explain the results from the work done so far to obtain proof-of-principle studies and what is involved in this next stage of POC work.

- *Provide a brief of the results of the proof of principle and the current stage of development (methods, simulation/experimental data, explain about prototype demonstration)*
- *What is the project scope and objectives for this POC? (technical description of the project with clear intermediate steps and processes involved)*
- *What is the targeted end deliverables for this POC project? (describe the features and specifications of the prototype, whether it is targeted for licensing or spinoff)*
- *Can a company take the end deliverable for this POC and commercialise without major*

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<i>modification? (what are the technical hurdles)</i>
10. Explain the novelty and inventiveness of this technology and how it compares with the other competing technologies. <i>What is the novelty and inventiveness of the proposed technology? (Clearly indicate in bullet points format)</i> <i>What are the existing competing technologies? (Please provide a table for comparison) – to provide example</i> <i>What are the key differences between your proposed technology and existing technology and unique selling point? (Why is your technology better than existing technology)</i>
11. Explain the potential commercial impact and the competitive advantage of this project. <i>Which industries use your POC outcomes and why? How big is the market and what is the trend? Are there any standards/regulations? What are the drivers?</i> <i>Who are the major competitors/companies in the market? (List out the companies in the same field of business. Compare with their latest products)</i> <i>What is the competitive advantage of the proposed technology over existing technologies? (Clearly indicate cost, performance, complexity, footprints, power consumption, etc.,)</i> <i>Who are the target end users of the proposed technology and what difference/impact is the proposed technology going to make to their existing way of doing things? (Is this proposed technology targeted at companies or individuals? How is this going to improve profits/the way of life respectively?)</i>
12. Explain how modular, drop-in, platform agnostic, feasible it is to scale up your solution when it is commercialized <i>Is any special software or wrappers required for deploying solution developed during POC? Does it require any special hardware or have any constraints or trade-offs in deployment?</i> <i>Is it compatible with existing platforms used by targeted industry verticals and customers? (What are the changes required to integrate this technology into the existing workflow or platform? What is the cost involved in the change)</i> <i>Can the product be easily customised or scale up across industry verticals, applications, platforms, and customers?</i>

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13. Explain what are the resources (i.e. compute, storage or training facilities, equipment, etc.) needed from RI/IHL to support this project.

- *What type of Lab resources or open-source software libraries/packages or datasets that are needed? What is the plan to acquire if any proprietary datasets that need to be collected?*
- *Is there any special equipment required for this project? If yes, is it available at IHL/RI or collaborator? Do you have access or support from collaborator?*

- Explain the commercial interest generated by the technology (from customers, investors, entrepreneurs, etc) in Singapore and abroad.
- *Any interest from the entrepreneurs, investors or the mentors who can help in go-to-market strategies. (What are your post-POC commercialisation plans? Will you be able to get any endorsement from industry if your project is shortlisted?)*
- *Explain in detail what is the plan for commercialization of POC project outcomes, either in terms of industry licensing or spinoff*

NB: For research staff (research associate, Research Fellow, project officer) and students, their supervisor's endorsement and approval is required for the submission of the CRPO POC application.