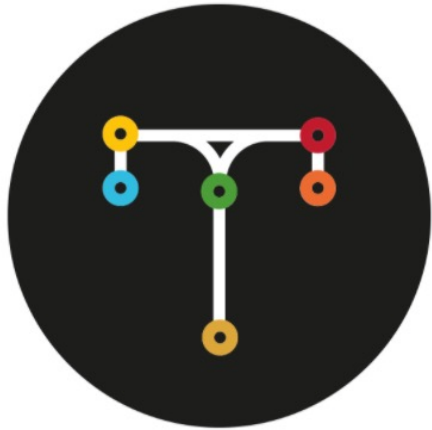


## 4th Call for Innovation 2021



Building Resilience through Innovation in response to the COVID-19 Pandemic

What are they looking for?



- 1 Ideas that through this funding can be translated into real development solutions
- 2 Ideas that address development challenges that can drive economic and social progress in the developing world
- 3 Ideas that empower the communities and youth in particular to realize their full potential

## 2 Key highlights

- A feasible application that solves real problem and its impact to society
- The sustainability of the project beyond grant period (commercialization aspect)



## SUCCESSFUL PROPOSALS WILL CONTRIBUTE TO ONE OF THE FOLLOWING:

- ✓ Creating innovative, high-value, locally produced products and services in IsDB Member Countries for local markets and export to international markets.
- ✓ Creating and delivering innovative low-cost solutions to serve poor communities in Member Countries to facilitate access to social and basic services interrupted by the pandemic. This includes but is not limited to 1) education and schools, 2) physical distancing and hygiene, 3) home delivery and shopping, 4) mental and psychological support, and 5) communication and virtual business.
- ✓ Boosting or enhancing manufacturing capabilities in Member Countries, particularly for strategically important products (e.g., vaccines, drugs, diagnostics, medical supplies, water and sanitation systems, energy systems, high value industrial products)
- ✓ Creating innovative products and services that support supply chain management for strategically important products (e.g., vaccines, medical oxygen maintenance, medical supplies, etc.) in Member Countries.
- ✓ Applying advanced technologies (e.g. IoT, Big Data, Artificial Intelligence, Blockchain, Smart Sensors, etc.) to enable an autonomous Global Value Chain and create innovative and resilient supply chain, distribution and delivery systems for goods and services in Member Countries for heavily affected industries, with emphasis on building digital trust and addressing COVID-19 vaccines value chain challenges related to distribution and delivery.
- ✓ Capacity building interventions targeted at training youth and displaced workers in the digital skills needed to advance in new, innovative, and growing fields.
- ✓ Capacity building targeted at improving operational capacities of the institutions involved in COVID-19 vaccines research, production, distribution and delivery, regulation and standardization in OIC countries to reach the standard of quality assurance and safety required by the WHO for vaccine production and export (such activities may include training, experts' visit, deployment of software applications, upgrading of laboratories facilities, awareness campaigns, etc.).

## The categories of application are:

**1**

### Proof of Concept

To support scientists and innovators who have a proven concept and who are in need for initial funding to develop their ideas into a pilot project/development solution and a business proposal.

**Grant**  
**US\$ 50,000-100,000**

**2**

### Start Up

To support applicants who have successfully piloted a project which involves innovative technologies and are in need for additional funding to replicate or scale up the project.

**Equity Participation**  
**US\$ 300,000**

**3**

### Commercialization

To support candidates who have already implemented and successfully scaled up an innovative project and are in need of additional funding for the commercialization of the services and products developed for a project.

**Equity Participation**  
**US\$ 1,000,000**

**4**

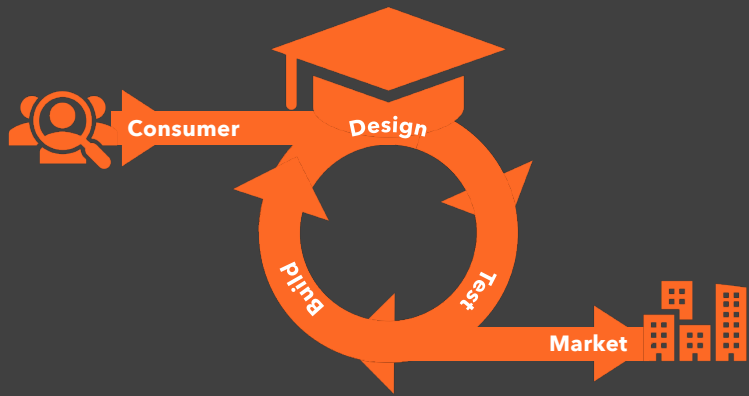
### Capacity Building

To support Governments of member countries in developing their technical and functional science, technology and innovation capacity to address major development challenges.

**Grant**  
**US\$ 100,000-150,000**

## IIUM Integrated Design Project Framework for SDG Innovation

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Dr. Nabilah Ramli  
Dr. Mimi Aminah Wan Nordin

Year awarded: 2019

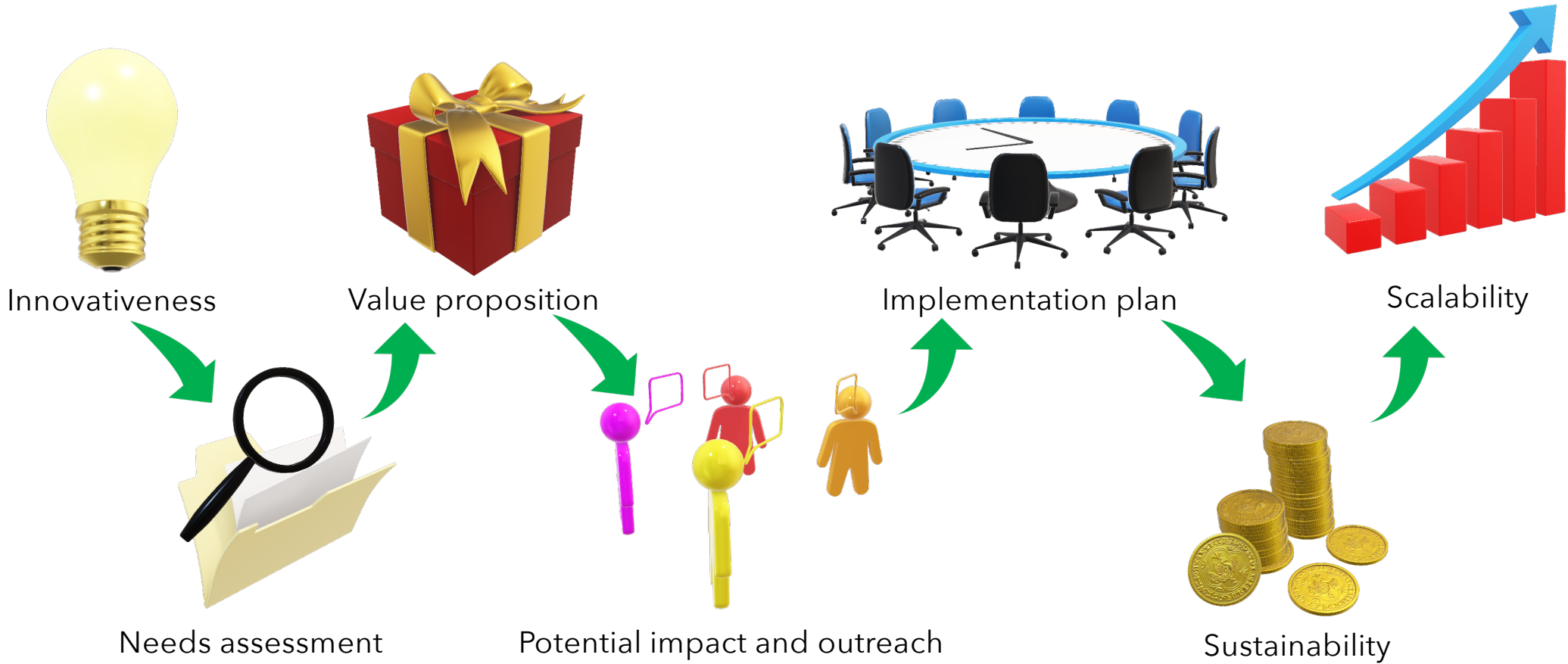
Category 4: Capacity Building in Science,  
Technology and Innovation

- **Challenges addressed:** Innovation gap between academia and industry and lack in human capacity or talent to drive the technology towards commercialization
- **Value proposition:** An education framework aims to build the right kind of innovation driver capacities that can be achieved through a proper alignment of education structure that requires synergistic involvements from the identified industries, entrepreneurs, relevant policy makers, students and well-trained faculty members.

## STI challenges in Capacity Building:

- producing critical mass in STI human resources (including researchers and STI policy makers),
- strengthening institutional capacity for research and improving science education,
- enhancing knowledge and expertise in spinning-in, adapting, and spinning-out existing technologies and improving scientific cooperation,
- formulating and implementing adequate STI policies that support all the above efforts.

# Technical Information Required



# Proposal format

## Section 1: Basic Data and Contact Information

- A. Basic data and contact information
- B. Executive summary
- C. Milestone and deliverable (template provided)
- D. Budget (template provided)

## Section 2: Technical Information related to the Proposal

- A. Identification of STI Capacity Building Challenges (assessments/needs)
- B. Innovativeness
- C. Impact and outreach
- D. Estimated Cost & Implementation Plan
- E. Sustainability
- F. Scalability



## Executive summary (100 words)

Please Provide information summarizing your idea/proposal and stating the vision for your proposal/ idea. The summary should also contain information answering the following: What challenge(s) are you addressing? What is your proposed innovative solution? If successful, who will be the beneficiaries? What is the expected medium- and long-term impact (please be as specific)? What is the value proposition of your proposed work?

*IIUM Integrated Design Project framework for SDG Innovation is an education framework designed to nurture technopreneurial mindset in engineering students through pragmatic capstone project within regional industrial context. This framework will be the funnel of innovative technopreneurs for IIUM startup ecosystem for successful spin-off potentials in 3 identified key industries: renewable energy, affordable healthcare and smart agriculture. This framework aims to build the right kind of innovation driver capacities that can be achieved through a proper alignment of education structure that requires synergistic involvements from the identified industries, entrepreneurs, relevant policy makers, students and well-trained faculty members.*

*IIUM Integrated Design Project Framework for SDG Innovation*

**Milestone and Deliverable Table**

Deliverable	Description	Major Milestone	Description	Start Date	Completion Date
<b>Management</b>					
Deliverable 1		Milestone 1			
		Milestone 2			
		Milestone 3			
Deliverable 2		Milestone 1			
		Milestone 2			
		Milestone 3			
Deliverable 3		Milestone 1			
<b>Technical</b>					
Deliverable 1		Milestone 1			
		Milestone 2			
		Milestone 3			
Deliverable 2		Milestone 1			
		Milestone 2			
		Milestone 3			
Deliverable 3		Milestone 1			

## Milestone and deliverable table

Deliverable example:

1. Hiring of field expert
2. Series of trainings/ workshops
3. Any developed framework
4. Development of lab/ center/ unit
5. IP/ Copyright
6. Training modules/ contents
7. etc

### High Level Budget Table

		Year 1	Year 2	Year 3	Total	Details
<b>Management Component</b>						
	Personnel					
	Travel					
	Materials					
	Equipment					
	Contractors					
	Other					
	<b>Sub-total</b>					
<b>Technical Component</b>						
	Personnel					
	Travel					
	Materials					
	Equipment					
	Subcontractors					
	Other					
	<b>Sub-total</b>					
<b>Total</b>						

Budget table

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## Section 2

### A. Identification of STI Capacity Building Challenges (assessments/needs) (250 words)

- State what is our current capacity/ capability/ skillset that's good as a head start for the project. Identify what are the gap in the current capacity to achieve the intended vision
- What are the additional capacities that we intend to build at three levels
  - Individual - can be in terms of skillset, mindset, knowledge, expertise
  - Institutional - can be in terms of facilities, policy, training modules, field experts
  - Environment - can be in terms of ecosystem, support system, resources



## Section 2

### B. Innovativeness (250 words)

- Well articulated capacity building objectives
- Write the proposed activities and how the activities can address the capacity gaps
- What are the uniqueness of your innovative capacity building proposal? Why it is THE CAPACITY BUILDING INTERVENTION to address the challenges?
- How your proposed activities can boost STI capacities in the Muslim countries (or least developed MCs) related to the gaps?

## Section 2

### C. Impact and Outreach (250 words)

- Specify key outputs of the project (deliverables) - the immediate measurable results which are achieved immediately after implementing an activity eg. Training modules, facilities developed, frameworks, group of experts etc.
- Specify key outcomes of the project - the measurable mid-term results seen after some time after end of project where we can see some changes at the ground level because of the project activity
- Impacts on the STI ecosystem - measurable long-term results that may be achieved after few years of project implementation. State how you can measure the impact.
- Scale of target group impacted in short, medium and long term. Highlight the scalability of your proposed capacity building intervention.
- State capacity improvement that you can provide through this project.

## Section 2

### D. Estimated Cost & Implementation Plan (250 words)

- What is the amount requested from IsDB and what it is mainly for (the main objective of proposal)? What will be contribution from other donor? eg. IIUM, KKM, KPT, industries, agencies, etc
- List down all the expected deliverables, activities proposed to achieve the deliverables, and what are the cost incurred.
- Highlight how various stakeholders are involved during the implementation and what are their role?
- IsDB support under this category will not cover the total cost of the proposed capacity building intervention, as it is considered a contribution to the total cost



## Section 2

### E. Sustainability (250 words)

- What is your strategy to ensure the continuation of the project beyond grant period?
- How do you imbed the strategy into the proposed activities and capacity building intervention?
- Highlight your strategy such that the intended long-term impact can successfully be achieved.
- Would be strong if you have commercialization strategy imbedded in place. The proposal should not be treated as a one-off effort.

## Section 2

### F. Scalability (250 words)

- What's your plan to grow the proposed project? eg. widen the scope, or widen the targeted impact group, replicate project in other region or MCs/ LDMCs
- How is your growth plan imbedded in the proposed activities/ capacity building project design
- Show that the proposed project is scalable