



# Catch The Fund!

**TAKLIMAT PERMOHONAN DANA R&D MESTECC 2019  
UNIVERSITI KEBANGSAAN MALAYSIA  
23 MEI 2019**

# Content

1. Introduction
2. Criteria of a Successful Application
3. MESTECC Funds
4. Application Process
5. Successful Application
6. FAQ

# Evolution of R&D Funding RMK-5 to RMK-11

R&D Funding has evolved from fundamental (IRPA/ Science Fund) to pre-commercialization stage (Innofund/ SMARTFund/ MESTECC R&D Fund)

## RMK- 5&6

*IRPA*

- Enhance socio economic development
- Strengthen capacity & capability building

## RMK- 7&8

*IRPA*

- Enhance socio economic development
- Strengthen capacity & capability building
- Accelerate commercialization

## RMK- 9

*ScienceFund / Technofund / Innofund*

- Reprioritize of research to focus on agriculture, biotech, ICT, advance material and industry
- Strengthening industrial commitment
- Accelerate commercialization
- Competitive bidding for prioritized project

## RMK- 10

*ScienceFund / Technofund / Innofund*

- Knowledge Generation, Wealth Generation & Societal Well-being
- Extension of focus area nanotech, biotech, ICT, Sea to Space, S&T core and industry
- To fund more on projects at applied research (Science Fund) and pre-com (Techno fund / Inno fund) stages.

## RMK- 11

*Innofund/ ICF/ SMARTFund / MESTECC R&D Fund*

- Economic Growth & Societal Well-being
- Reprioritise focus area of pre-com into (i) Medical & Healthcare, (ii) Green Growth for Sustainable Development, (iii) Water, Food & Energy Nexus
- Expand to international R&D
- Improved access to Pre-com funding for Universities / Research Institution

# STI Excellence Through Demand Driven R&D Financing

## Demand Driven

MP  
11

- **Economic Growth & Societal Well-being**
- **2 schemes** – MESTECC R&D Fund and International Collaboration Fund
- **3** priority areas
- **Socio Economic Objective**, followed by *Field of Research*

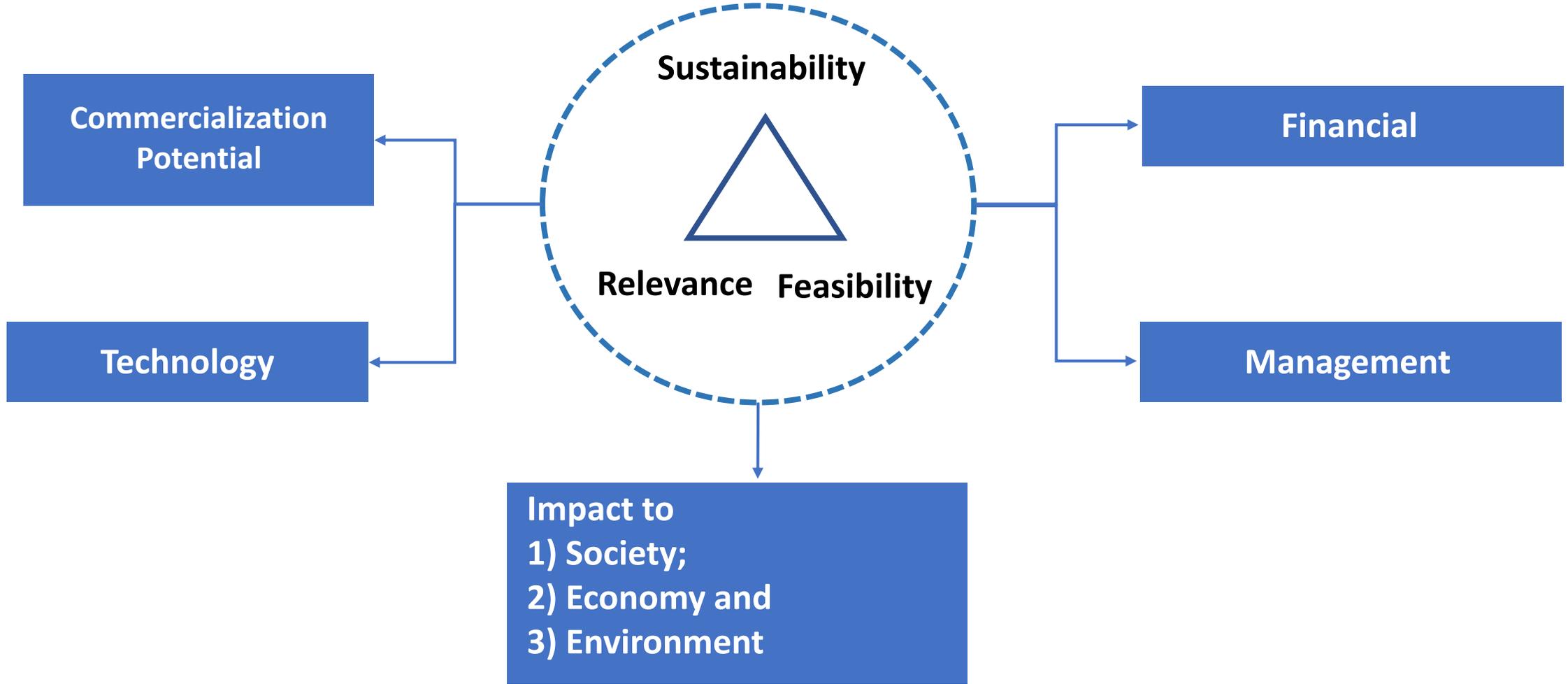


MP  
10

## Innovation Driven

- **Knowledge Generation, Wealth Generation & Societal Well-being**
- **3 schemes** - Science Fund and Pre Commercialization (*TechnoFund & InnoFund*)
- **10** priority areas
- **Field of Research**, followed by *Socio Economic Objective*

# Evaluation that is focusing on Sustainability, Relevance and Feasibility of Project Proposal



1. INTERNATIONAL COLLABORATION FUND (ICF)
2. MESTECC R&D FUND

# International Collaboration Fund - Introduction

- **Joint R&D projects** between researchers in Malaysia and collaborators from other countries.
- **Expansion & enhancement of research capacity**
- Research project leading to laboratory **proof of concept** or development of **new products or processes**.



Open to all **research scientists & engineers**

- ✓ Institution of Higher Learning
- ✓ MESTECC STI Agencies
- ✓ Government Research Institution



- Max Quantum of **RM500,000**
- Payment Mode - **Disbursement Basis**
- Max implementation duration of **24 months**
- **Oral presentation** in international conferences (max RM15,000)
- Travel & accommodation expenses for work carried out at **counterpart's laboratory** (max RM20,000)

**No Cross Border of funds**

# Technical & Commercial Assessment Dimension and Criteria

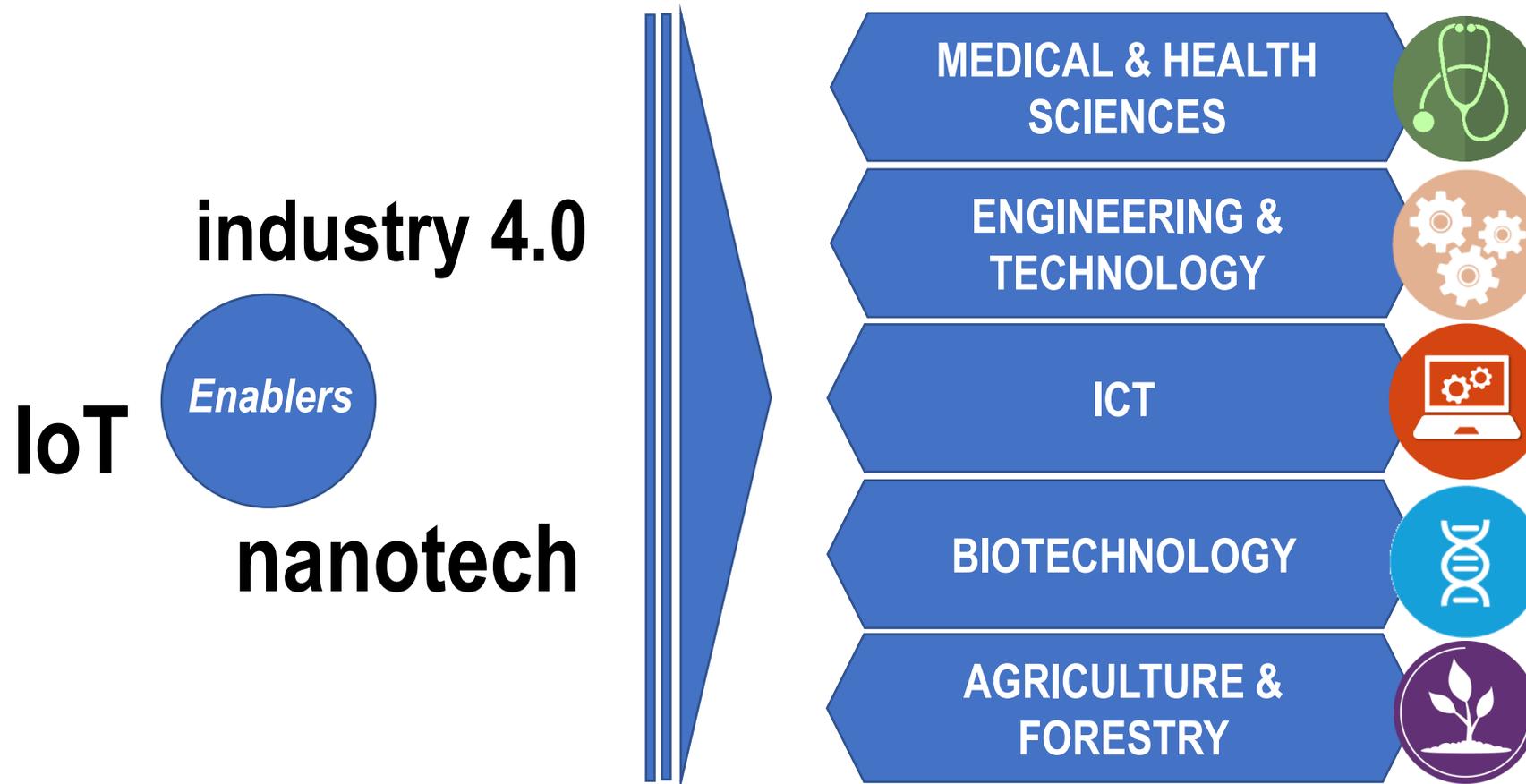
Dimension	Criteria
<p><b>Technology</b></p> <p>(Clarity in terms of objectives &amp; output expected, methodology, technology readiness, compliance to regulatory / ethical requirement, manufacturability etc)</p>	<p>Uniqueness/Innovativeness /Inventiveness</p> <p>Output expected;</p> <ul style="list-style-type: none"> <li>i. Viability of project objectives</li> <li>ii. Appropriateness of methodology</li> </ul> <p>Scalable Potential/Manufacturability (man, material, method, machine)</p> <p>Regulatory and Standard compliance</p>
<p><b>Commercial</b></p> <p>(Identifying potential for commercialization)</p>	<p>Market potential and demand (need, size, growth, target, niche, penetration)</p> <p>Cost Effectiveness</p>
<p><b>Financial</b></p> <p>(Assessing well worth for granting a project)</p>	<p>Value for money</p>
<p><b>Project Management</b></p> <p>(Demonstrated ability of the team to successfully achieve the objectives, identifying and mitigating risk etc)</p>	<p>Professional qualification / Experience of project leader &amp; Team Member</p> <p>Relevancy of key milestones</p> <p>Risk Management</p>

# Technical & Commercial Assessment Dimension and Criteria

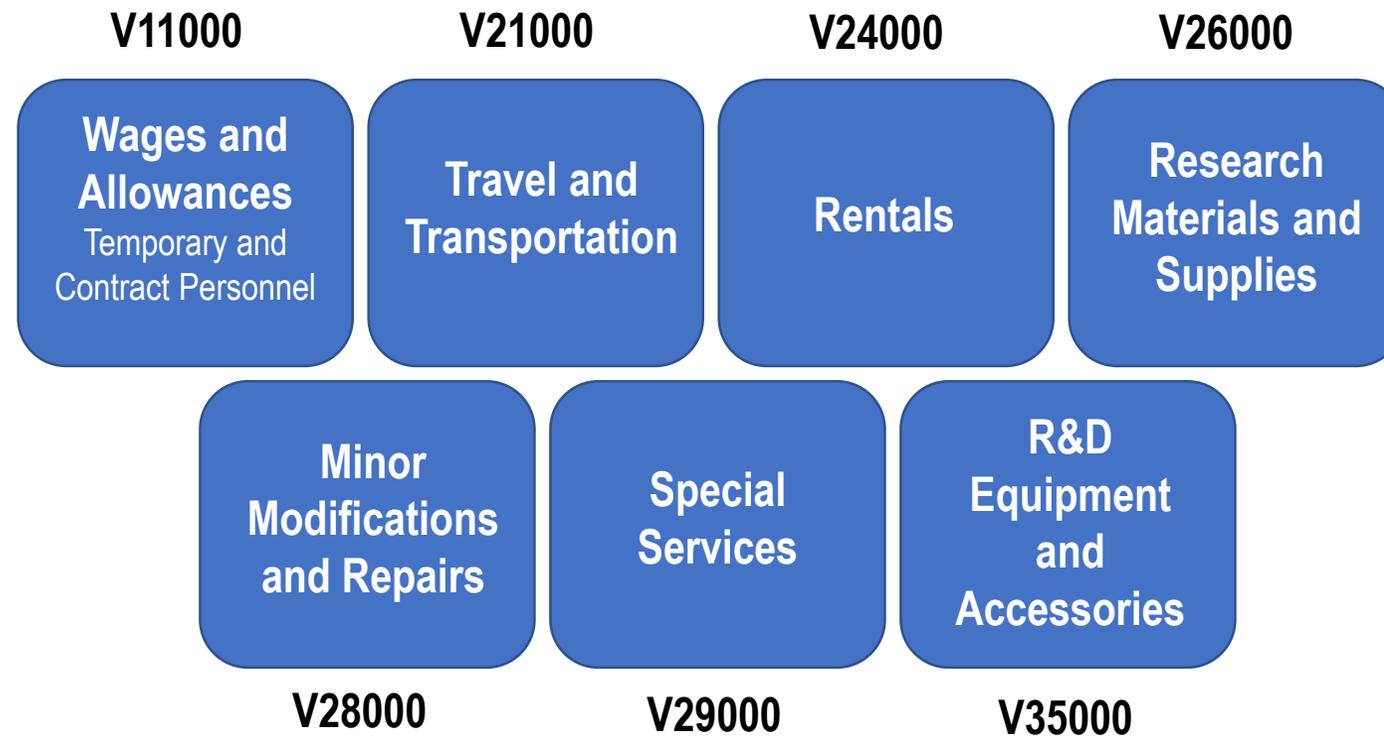
Dimension	Criteria	
<p><i>SEE</i> Impact</p> <p>(Identifying project's impact including affordability of the output, export potential as well as circular economy)</p>	Social	Creation of Skill Employment and Knowledge Worker
		Problem Solving (Consumer Needs, Industry Needs, & *Strategic needs of the nation) *e.g.: national security, health, national policy
		Improvement of safety
		Conducive work and living environment
	Economic	Cost reduction
		Optimum consumption of resources
		Export potential
		Increasing productivity and quality of product/services
	Environmental	Ecological/Carbon Footprint
		Circular Economy
		Compliance with environment quality act
		Optimise usage of resources

# ICF- Research Areas

Based on The Malaysian Research and Development Classification System (**MRDCS**)



# ICF- Scope of Funding



## MESTECC R&D FUND

## Objective

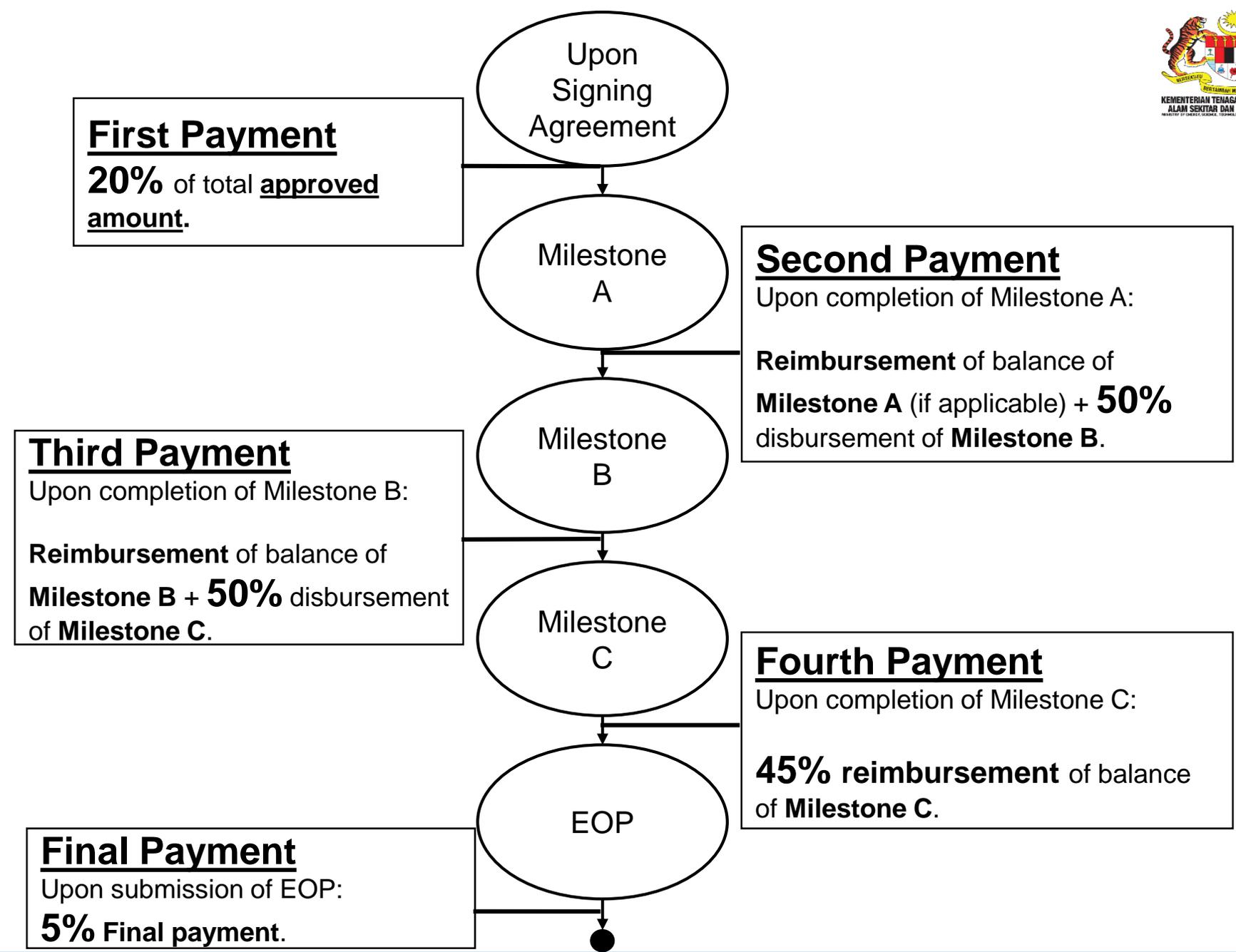
- ✓ to undertake **experimental development towards commercialisation** by reducing valley of death;
- ✓ to stimulate the growth and increase capability and capacity from **cross collaboration** between Industry, Malaysian Government Research Institutes (GRI) and Institutions of Higher Learning (IHL).
- ✓ Open to **Malaysian SMEs in collaboration with Government Research Institution, Academia and STI agencies.**

Co-funding of up to RM3 million  
(MESTECC contribution)





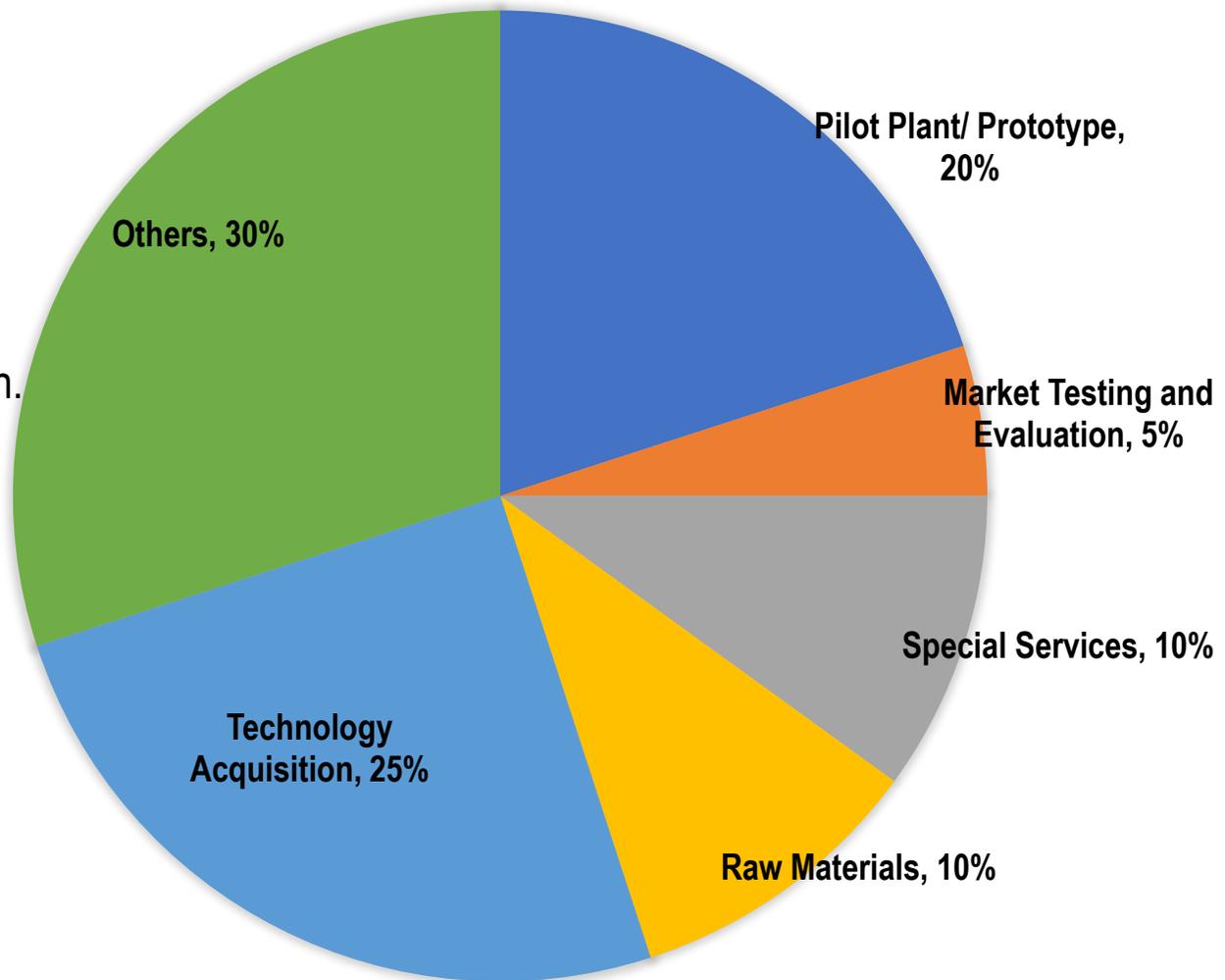
## Fund Disbursement



# Scope of Funding



- OTHERS:**
1. Pre-Clinical;
  2. IP;
  3. Regulatory;
  4. Administration.



## Funding for Collaborator

- i. Wages and Allowances for RA;
- ii. Rental/ Minor Repair of Equipment;
- iii. Sample Testing; and
- iv. Raw Materials/ Consumables.

\*Assumption is based on one project applying for all components under MESTECC R&D Fund.

# Scope of Funding



SCOPE	FUNDED BY MESTECC	FUNDED BY APPLICANT/ENTITY	NOTES
<b>Pilot plant / prototype</b>	<ul style="list-style-type: none"> <li>• Equipment and supporting infrastructure directly related to the pilot plant/prototype</li> <li>• Engineering and design activities</li> <li>• Rental/ minor repair of equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Capital asset such as land, building, vehicle and furniture</li> <li>• Rental of space, land, building</li> <li>• Lab apparatus</li> <li>• Equipment maintenance</li> <li>• Computer etc</li> </ul>	Not more than 40% of fund approved funding by MESTECC
<b>Pre-clinical testing/clinical testing/field trials/stress test/user acceptance test</b>	<ul style="list-style-type: none"> <li>• Screening test</li> <li>• Sample Testing</li> <li>• Payment for Volunteers/ Subjects</li> <li>• Data analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Overhead cost</li> <li>• Rental of facility</li> </ul>	
<b>Intellectual Properties (IP)</b>	<ul style="list-style-type: none"> <li>• For registration in Malaysia only</li> <li>• IP Incentive</li> <li>• IP resulting from the project                             <ul style="list-style-type: none"> <li>i) Patent</li> <li>ii) Industrial Design</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance</li> <li>• Patent Cooperation Treaty (PCT)</li> </ul>	
<b>Market testing and evaluation</b>	<ul style="list-style-type: none"> <li>• Market Sample Development Cost</li> <li>• Data analysis</li> <li>• Payment for enumerators</li> </ul>	<ul style="list-style-type: none"> <li>• Incentive for respondents</li> <li>• Facility rental and exhibition fee</li> </ul>	Not more than 10% of fund approved

# Scope of Funding

SCOPE	FUNDED BY MESTECC	FUNDED BY APPLICANT/ENTITY	NOTES
Regulatory and Standard Compliance	<ul style="list-style-type: none"> <li>Registration of Certification</li> <li>Standard Compliance</li> <li>Product Testing for Certification</li> <li>GMP, HALAL &amp; HACCP</li> </ul>	<ul style="list-style-type: none"> <li>Training</li> </ul>	
Special Services	<ul style="list-style-type: none"> <li>Consultancy</li> <li>Consultant for market testing and evaluation</li> </ul>	<ul style="list-style-type: none"> <li>Production out-sourcing</li> <li>Travelling and transportation</li> <li>Organizing meeting</li> <li>Subscription to journals</li> <li>Conference fee</li> </ul>	Not more than <b>20%</b> of total fund approved funding by MESTECC
Administration	<ul style="list-style-type: none"> <li>One <b>registered Research Assistant (RA)</b> only</li> </ul>	<ul style="list-style-type: none"> <li>Management fees</li> <li>Allowance / bonus for management and technical staff</li> <li>Office rental</li> <li>Utilities such as telephone, broadband, water and electricity bill</li> </ul>	<ul style="list-style-type: none"> <li><b>RM 2,500</b> per month/ per RA inclusive of SOCSO / EPF</li> <li>For IHL/ GRI collaborator only</li> </ul>

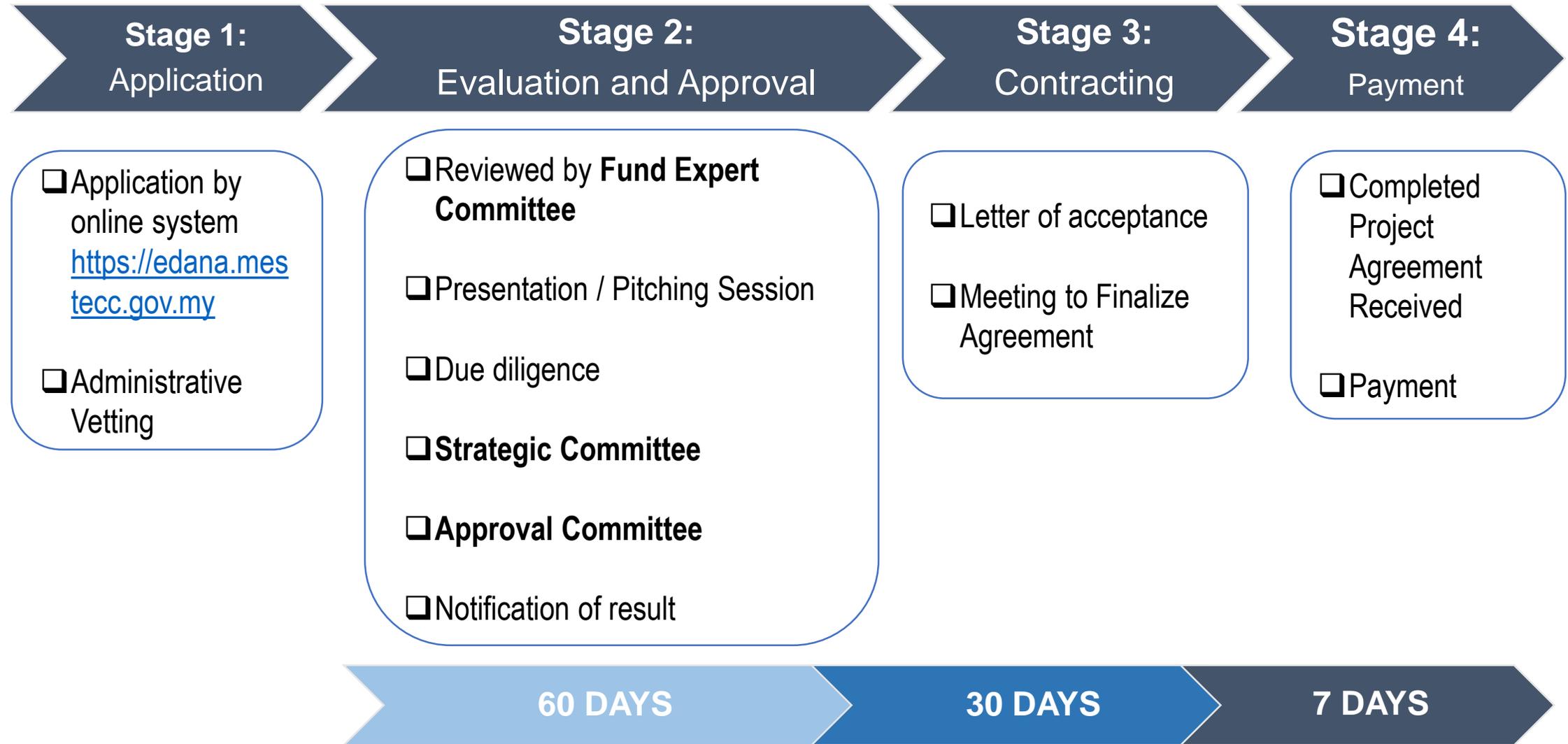
# Scope of Funding

SCOPE	FUNDED BY MESTECC	FUNDED BY APPLICANT/ENTITY	NOTES
Raw materials /consumables directly related to the project	<ul style="list-style-type: none"> <li>Raw material</li> <li>Consumable</li> </ul>	<ul style="list-style-type: none"> <li>Product and packaging design</li> <li>Brochure</li> <li>Advertisement</li> <li>Web design and development</li> <li>Product launching</li> </ul>	Not more than <b>20%</b> of total fund approved funding by MESTECC
Technology/ IP Acquisition	<ul style="list-style-type: none"> <li>Local and foreign</li> <li>Must be further enhanced</li> <li>Must provide acquisition agreement / details of the technology &amp; IP acquired</li> <li>Training related to technology transfer conducted locally</li> </ul>		Not more than <b>50%</b> of total approved project cost

# Evaluation Criteria

<p><b><u>Commercial</u></b></p> <ul style="list-style-type: none"> <li>i. Competitive advantages</li> <li>ii. Market potential and demand</li> <li>iii. Appropriateness of time to market</li> <li>iv. Sustainability</li> <li>v. Diffusion</li> <li>vi. Cost Effectiveness</li> <li>vii. Marketing Strategy / Business Model</li> <li>viii. Standard and Certification (if applicable)</li> </ul>		<p><b><u>Technical</u></b></p> <ul style="list-style-type: none"> <li>i. Proof of concept</li> <li>ii. Uniqueness / Innovativeness / Inventiveness of technology</li> <li>iii. Viability of project objectives &amp; Appropriateness of methodology</li> <li>iv. Scalable Potential/Manufacturability</li> <li>v. Regulatory and Standard compliance</li> </ul>		
<p><b><u>Social Impact</u></b></p> <ul style="list-style-type: none"> <li>i. Affordability</li> <li>ii. Creation of Skill Employment and Knowledge Worker</li> <li>iii. Problem Solving</li> <li>iv. Improvement of safety</li> <li>v. Conducive work and living environment</li> </ul>	<p><b><u>Economic Impact</u></b></p> <ul style="list-style-type: none"> <li>i. Cost reduction</li> <li>ii. Optimum consumption of resources</li> <li>iii. Export potential</li> <li>iv. Increasing productivity and quality of product/services</li> </ul>	<p><b><u>Environmental Impact</u></b></p> <ul style="list-style-type: none"> <li>i. Ecological/Carbon Footprint</li> <li>ii. Circular Economy</li> <li>iii. Compliance with environment quality act</li> <li>iv. Optimise usage of resources</li> </ul>	<p><b><u>Financial</u></b></p> <ul style="list-style-type: none"> <li>i. Potential to generate return on investment</li> <li>ii. Value for money</li> <li>iii. Financial Sustainability</li> </ul>	<p><b><u>Management</u></b></p> <ul style="list-style-type: none"> <li>i. Professional qualification / Experience of project leader &amp; Team Member</li> <li>ii. Relevancy of key milestones</li> <li>iii. Risk Management</li> </ul>

# Apply, Engage & Execute





### eDana

Fund Management System



## MESTECC R&D FUND

Open to businesses and researchers interested in obtaining fund to carry out projects for economic growth and societal benefit.

### OBJECTIVES

-  to undertake research and development (R&D) towards commercialisation by reducing valley of death
-  to stimulate the growth and increase capability and capacity from cross collaboration between Industry, Malaysian Government Research Institutes (GRI) and Institutions of Higher Learning (IHL)

### ELIGIBLE APPLICATION

Proposed projects must be at least at Proof of Concept (POC) level

### QUANTUM & DURATION

capped at RM3,000,000 | 24 months

### Announcement

#### Important

If you're still not receiving the email, please check your spam folder to be sure that our emails are not being detected as spam.

07-02-2019 11:52:44

### Sign Up

# eDana User's Interface

Browser address bar: <https://edana.mestecc.gov.my/edana/Fundapplication/fundapplication/step1?id=2847>

Home / Fund Application

### Application Form

( International Collaboration Fund)

- Fund Application**
- Entity Information
- Project Members
- Background Information
- Local Collaborator Information
- International Collaborator Information
- Research Background
- Summary Past Project
- Project Details
- Milestone and Activities
- Project Costing
- Equipment
- Source Fundings
- Benefit of The Project
- Document Uploads
- Declaration

### Fund Application

Next →

**Fund Category \*** Select Fund Category ▼

**Type of Funding \*** Select Type of Funding ▼

**Entity Classification \*** Government Research Institute ▼

Next →

# Project Cost and Success Rate



Approved project cost as of 15 May 2019

**RM76,198,855.00**

Success Rate **21%**



# Expanding International Collaborative Work

## International Collaborative Country

1. Thailand
2. China
3. Japan
4. Australia
5. Algeria
6. United State of America
7. Germany
8. Turkey



## Recipient University

1. UMT
2. UM
3. UTM
4. UMS
5. USM
6. UniMAP
7. UPM
8. UTHM

# Frequently Asked Questions



1. How fast can we know the result of our application?
2. When is the closing date of fund application?
3. Can we apply through an agent/ third party? How much is the processing fee for their services?
4. Can we get fund to purchase an IP?
5. Can we get fund for a foreign technology acquisition? It will be a new technology in Malaysia.
6. MESTECC will have an equity holding in applicant's project?
7. Do we must have a company before apply for funds with MESTECC?
8. My proposal is not following the 3 socio-economic priority themes set by MOSTI. Can I still apply for the fund?

# Do you require more info?



03- 8885 8186/ 8322/ 8703/ 8704/ 8324



[helpdesk-edana@mestecc.gov.my](mailto:helpdesk-edana@mestecc.gov.my)

# Thank You

 <https://www.mestecc.gov.my>

 <https://edana.mestecc.gov.my/edana/>

 Bahagian Dana, Aras 4, Blok C4, MOSTI

**JADUAL PENGHANTARAN PERMOHONAN DANA R&D  
KEMENTERIAN TENAGA, SAINS, TEKNOLOGI, ALAM SEKITAR DAN PERUBAHAN IKLIM  
(MESTECC) TAHUN 2019**

<b>Kitaran</b>	<b>Tarikh Akhir Penghantaran Permohonan Dari Fakulti/Institut/Pusat Ke CRIM</b>	<b>Tarikh Akhir Penghantaran Dari CRIM Ke MESTECC</b>
Februari	28 Februari 2019	4 Mac 2019
April	29 April 2019	3 Mei 2019
Jun	28 Jun 2019	3 Julai 2019
Ogos	28 Ogos 2019	3 September 2019
Oktober	28 Oktober 2019	4 November 2019
Disember	30 Disember 2019	3 Januari 2020

Dokumen permohonan yang perlu dikemukakan oleh Sekretariat Penyelidikan Fakulti/Institut/Pusat kepada CRIM adalah seperti berikut:

<b>No.</b>	<b>Perkara</b>	<b>Keterangan</b>
1.	Surat rasmi daripada Fakulti/Institut/Pusat	Sebagai bukti penghantaran permohonan
2.	Borang Permohonan	<p>Satu (1) salinan <i>hardcopy</i>:</p> <ul style="list-style-type: none"> <li>i. Borang permohonan yang bertandatangan; dan</li> <li>ii. Surat Akuan Sumpah oleh Pesuruhjaya Sumpah</li> </ul> <p>Nota: Ketua Projek diminta diminta mematuhi Garis Panduan Dana dan memsadikan semua dokumen yang diperlukan dipatuhi dan dimuat naik (rujuk Appendix 2 di muka surat 21 pada garis panduan Dana R&amp;D). Dokumen yang tidak lengkap tidak akan dipertimbangkan ke MESTECC.</p>
3.	Senarai Permohonan (Masterlist)	<ul style="list-style-type: none"> <li>i. Satu (1) salinan lembut (<i>softcopy</i>) dalam format Excel mengikut templat yang diberikan – emel kepada <a href="mailto:ctaida@ukm.edu.my">ctaida@ukm.edu.my</a>.</li> <li>ii. Satu (1) salinan <i>hardcopy</i> borang permohonan.</li> </ul>

**Pusat Pengurusan Penyelidikan dan Instrumentasi**  
11 Februari 2019