



# CREST R&D GRANT TERM & CONDITION



## CREST R&D Grants

**2 Cycles  
Annually**



- **Open R&D Grant**
  - Since June 2012
  - Main aim to promote industry-driven research collaboration in areas relevant to E&E sector
  - Company focused
- **Targeted R&D Grants**
  - Since Sep 2014
  - Main aim to develop IP in specific domain for benefit of larger ecosystem
  - Cluster focused

# About CREST R&D Grant



- **Philosophy**

- Higher value Electrical & Electronics (E&E) economic sector can be achieved when R&D thrives in the ecosystem.
- This can be accelerated by promoting collaborative research between industry and academia.

- **Objectives**

- To accelerate university's ability to produce industry-ready researchers.
- To increase competitiveness of E&E industry.

- **Key features**

- CREST R&D Grant is not limited to E&E discipline but should support E&E industry sector. With accommodating intellectual property arrangement, industry involvement in the research enables the research result to be prepositioned to industry application, increasing the potential for commercialisation at research completion.

- **Eligibility**

- CREST R&D Grant is open to all applicants. However if the application is awarded, industry and university must be a CREST member in order to get CREST fund. Find how to be a member at [www.crest.my](http://www.crest.my)

# Basic Terms and Conditions



## Open R&D

## Targeted R&D

### Partnership

- Research project involves at least one company pairing with at least one university.
- At least one of the universities involved must be located in Malaysia.
- Companies involved must not be owned by the university. In the case where the company is a spinoff from the university, the university must not hold equity in the company.
- Universities involved must not be owned by the company. In the case where the university is owned by the company, the company and the subsidiaries of the companies are not eligible to be the partner of the university.

### Personnel

- Either project lead or principal investigator must be Malaysian citizen. In the event the project lead and principal investigator is the same person, he/she must be Malaysian citizen.
- Full-time postgraduate student researchers and full-time post-doctorate researchers whose allowance are paid by CREST R&D Grant must be Malaysian citizen.
- Students involved in the research project (regardless of whether allowance and tuition fee is paid by CREST Grant) shall not be the project leader.

### Limitation

- Approved funded research duration corresponds to research scope. Minimum approved duration 24 months with maximum approved duration 36 months. A project shall deliver at least 1 PhD graduate if the project duration is 3 years.

# Basic Terms and Conditions



Open R&D	Targeted R&D
<p><b>Financial</b></p> <ul style="list-style-type: none"><li>• Industry / combined contribution must be at least 50% of the total research budget. (Example: If the applicant requests for RM50k budget, the industry must contribute more than RM50k)</li><li>• IP filing cost not covered by CREST. IP to be owned by University and/or Company.</li><li>• Disbursement may be released to University and/or Company.</li></ul>	<ul style="list-style-type: none"><li>• Industry / combined contribution can be less than 50% of the total research budget.</li><li>• IP filing cost covered by CREST. IP to be owned by CREST, revenue sharing with Company and University.</li><li>• Disbursement will be released to University only.</li></ul>
<ul style="list-style-type: none"><li>• <b>CREST will purchase equipment and software (MATLAB, CST, etc.) on behalf of the researcher. Software purchased for a project must be commercial license.</b></li><li>• All equipment and software purchased using the CREST R&amp;D Grant shall be owned by CREST.</li></ul>	
<ul style="list-style-type: none"><li>• <u>i-GRASP programme</u></li><li>• University shall cover the postgraduate study tuition fees.</li><li>• Company must contribute to the postgraduate students' allowance per the i-GRASP programme.</li><li>• <b>CREST will make payment directly to the student expect Post Doc.</b></li></ul>	

# Basic Terms and Conditions



Open R&D	Targeted R&D
<ul style="list-style-type: none"><li>• <u>Non i-GRASP</u></li><li>• Post-Doctorate : RM6500/month for 2 years to be covered by CREST.</li><li>• Undergraduate student (final year project) : RM1500/approved student to be covered by CREST.</li></ul>	
<ul style="list-style-type: none"><li>• Reasonable travel from university to company and vice versa.</li></ul>	
<b>Non-eligible spending items</b> <ul style="list-style-type: none"><li>• Consultation fee</li><li>• Publication fee</li><li>• Legal fee</li><li>• Conference travel and fee</li><li>• Training fee</li><li>• Maintenance and Repair</li></ul>	
<ul style="list-style-type: none"><li>• Intellectual property filling</li><li>• Clinical trials</li></ul>	<ul style="list-style-type: none"><li>• Clinical trials</li></ul>

# Obligations

Open R&D	Targeted R&D
<ul style="list-style-type: none"> <li><input type="checkbox"/> Report and review (every 3 months)               <ul style="list-style-type: none"> <li>• Quarterly progress and financial report submission</li> <li>• The report shall be accompanied by supporting documentation for each expense and University Bursary statement as evidence.</li> <li>• Technical report should be provided in presentation slide format and signed by all parties as evidence agreed.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Progress update (every 1 month)               <ul style="list-style-type: none"> <li>• Monthly progress update via email.</li> </ul> </li> <li><input type="checkbox"/> Report and review (every 3 months)               <ul style="list-style-type: none"> <li>▪ Quarterly progress and financial report submission</li> <li>▪ The report shall be accompanied by supporting documentation for each expense and University Bursary statement as evidence.</li> <li>▪ Technical report should be provided in presentation slide format and signed by all parties as evidence agreed.</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li><input type="checkbox"/> Project review and audit               <ul style="list-style-type: none"> <li>• Face to face meeting / Site visit (Before release the 2<sup>nd</sup> disbursement or as required)</li> <li>• Subsequent project review every quarterly before the release of the next disbursement (the meeting can be via Skype or conference call or face to face meeting).</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Project review and audit               <ul style="list-style-type: none"> <li>• Face to face meeting / Site visit (Before release the 2<sup>nd</sup> disbursement or as required)</li> <li>• Subsequent project review every quarterly before the release of the next disbursement (Face to face meeting).</li> </ul> </li> </ul>

## Open R&D

## Targeted R&D

Other documents as required by CREST (Final report, Impact Information Report, Project Outcome Report, Business/Commercialisation plan, etc.)

Project funded by CREST R&D Grant must not share any of its deliverables to meet other grant obligation.

Each approved research project is obligated to meet stated deliverable (output) obligation. Output of postgraduate students must be Malaysian only.

Outputs - Publication in journal

- 1 publication per MSc student researcher
- 3 publication per PhD student researcher
- 3 publications per year per funded post-doctorate researcher

Filling of intellectual property

- Proof of filling for patent or prove of filling for other unprotected IP.

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Filling of intellectual property

- Invention Disclosure to CREST for IP filing purpose.



# Industry Graduate Research Assistant Scholarship Programme (i-GRASP)



# i-GRASP (Detailed contribution)



Postgraduate	Monthly allowance payment for PhD (max. 3 years) / MSc (max. 2 years)			Contribution by University	Maximum period of funding (months)
	Maximum contribution by CREST	Minimum contribution by Company	Fixed amount of Allowance		
PhD (Tier 1)	RM3,500.00	RM800.00	<b>RM4,300.00</b>	<b>Tuition fees</b>	36
PhD (Tier 2)	RM2,500.00	RM800.00	<b>RM3,300.00</b>		36
MSc (Tier 1)	RM2,500.00	RM500.00	<b>RM3,000.00</b>		24
MSc (Tier 2)	RM1,800.00	RM500.00	<b>RM2,300.00</b>		24

In the event where the University does not adopt a CGPA scheme, postgraduate candidate with First Class Honour certification shall be entitled for Tier 1 I-GRASP rate.

# Guidelines

Post graduate	GUIDELINES			
	CGPA		Industry experience	Research experience
<b>PhD (1st Tier)</b>	CGPA of <b>3.50</b> and above for Bachelor's degree in the relevant and related field	<b>or</b>	Minimum <b>3</b> years industry working experience in the relevant and related field with minimum <b>3.00</b> CGPA	Minimum <b>3</b> years research experience in the relevant and related field with <b>3 journal</b> publications and minimum CGPA of <b>3.00</b>
<b>PhD (2nd Tier)</b>	CGPA of <b>3.00</b> and above for Bachelor's degree in the relevant and related field		Minimum <b>3</b> years industry working experience in the relevant and related field with minimum <b>2.75</b> CGPA	Minimum <b>3</b> years research experience in the relevant and related field with <b>2 journal</b> publications and minimum CGPA of <b>2.75</b>
<b>MSc (1st Tier)</b>	CGPA of <b>3.50</b> and above for Bachelor's degree in the relevant and related field		Minimum <b>1</b> year industry working experience in the relevant and related field with minimum <b>3.00</b> CGPA	Minimum <b>2</b> year research experience in the relevant and related field with <b>2 journal</b> publications and minimum CGPA of <b>3.00</b>
<b>MSc (2nd Tier)</b>	CGPA of <b>3.00</b> and above for Bachelor's degree in the relevant and related field		Minimum <b>1</b> year industry working experience in the relevant and related field with minimum <b>2.75</b> CGPA	Minimum <b>2</b> years research experience in the relevant and related field with <b>1 journal</b> publication and minimum CGPA of <b>2.75</b>

A **non-employee** postgraduate candidate must fulfill the criteria below:

- (a) Completed his/her Bachelor's degree in the relevant and related field;
- (b) Is a registered full time post graduate student working on the Project;
- (c) Is not attached to any organisation as an employee;
- (d) Is a Malaysian; and
- (e) Is recommended by the University and the Company of the Project.

- Prospective candidate is required to submit - Academic Transcript, CV, Letter of acceptance as post graduate student, Recommendation Letters from University and Company in CREST project
- Application shall be submitted once the Research Grant Agreement is executed
- Awarded candidate will be interviewed during the first project review session
- Successful applicant is required to enter into an agreement (i-GRASP Agreement) with CREST, the University and the Company

# Payment procedure



- i-GRASP recipient will be paid through CREST R&D grant allocated at the allowances and study fee category
- i-GRASP recipient will be paid starting from the effective date of Research Grant Agreement or the effective date of postgraduate candidature (whichever is later)

# Student benefits



- Higher allowance with tuition fees
- Participate in CREST scholar development programme
- Minimum of 2 weeks per year exposure in company



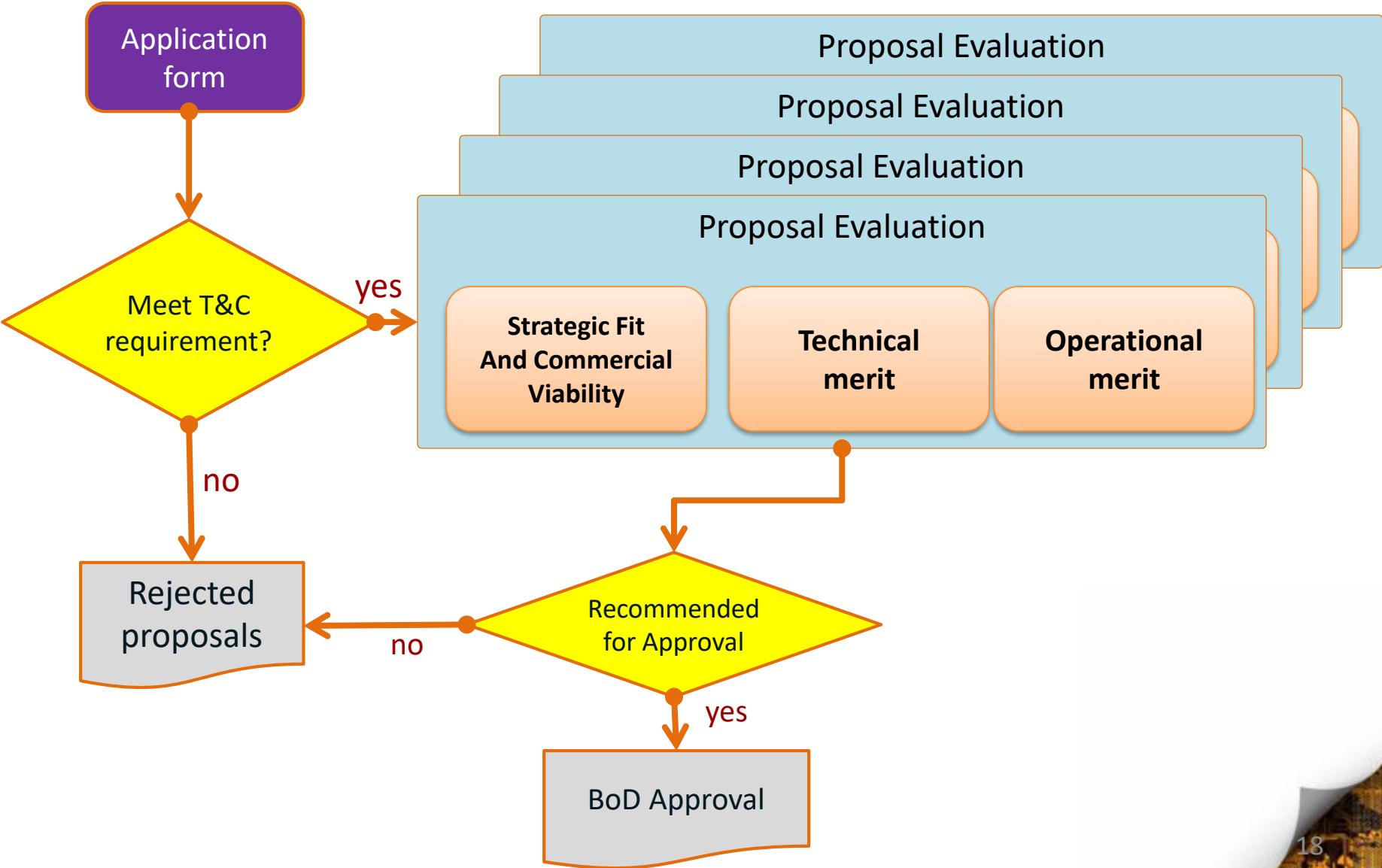
- i-GRASP recipient is bonded to CREST
- The service obligation bonded period shall be equivalent to the duration of the recipient's postgraduate study
- i-GRASP includes student service obligation bond to CREST which will be released to the Company or University upon request.
- In the event if there is request from the Company or the University, CREST shall transfer the bond to the requesting party. In the case where both Company and University do not require the service of the postgraduate, CREST shall have the right to nullify the Service Obligation Bond.





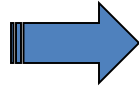
# **R&D GRANT EVALUATION PROCESS AND CRITERIA**

# R&D Grant Evaluation Process



Assessment is done based on criteria:

CREST Internal Screening



Panel Review (Industry + Academic)

## Strategic Fit And Commercial Viability

- Alignment of research project to priority areas
- Value to E&E ecosystem
- Impact to industry-industry relationship
- Alignment to cluster collaboration goal
- Viability of commercial plan & partnership



## Technical Merit

- Innovation, contribution to knowledge
- Viability of research objectives
- Appropriateness of research methodology
- Technical complexity
- Publishable research outcome

## Operational Merit

- Thoroughness of research execution plan
- Appropriateness of milestones
- Soundness of human resource plan
- Project execution risks and ability to address them



Please visit [www.crest.my](http://www.crest.my) for more information

**THANK YOU**