



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**

- Focused on E&E industry, but not limited to E&E discipline.
- Research results prepositioned for industrial application.
- Accommodating intellectual property arrangement.
- Plausible augmentation to in-company R&D initiative.

- **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

Open Grant

Targeted Grant

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 Malaysia citizen
- Full-time postgraduate student researchers and full-time post-doctorate researchers whose tuition fees and 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. Maximum approved duration is not more than 3 years (for the project 3 years needs to provide PhD student)

Financial

- | | |
|--|--|
| <ul style="list-style-type: none">• Industry contribution must 50% of the total research project budget
<i>(Example; CREST Grant funding is RM50k, the industrial contribution also need to provide RM50k or above, cannot less from the CREST fund)</i>• Funding for IP filing by applicants | <ul style="list-style-type: none">• The industry contributions do not have to reach 50% of the total project budget• Funding for IP filing by CREST |
| <ul style="list-style-type: none">• Any equipment and software purchased under CREST R&D Grant is owned by CREST | |
| <ul style="list-style-type: none">• University is encouraged to contribute. The contribution from university not counted or combined with contributions from industry | |

Basic Terms and Conditions



Open Grant

Targeted Grant

Obligation

Report and review

- Quarterly progress and financial report submission
- The report shall be accompanied by supporting documentation for each expense as evidence
- Technical report should be provided in presentation slide format and signed by all parties as evidence agreed

Project review and audit

- Site visit (Before release the 2nd disbursement and when in needed)
- Project review with technical person from CREST every quarterly before release the next disbursement (the meeting will be arrange thru Skype or conference call)

Final report submission and review

Impact information (measuring the effectiveness of the project outcome)

Project funded by CREST R&D Grant must not share any of its deliverables to meet other grant obligation (except for university's contribution for students allowance)

Research project must be supported with a feasible commercialization plan

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

- IP sharing between Industry and University
- Proof of filling for patent or prove of filling for other unprotected IP

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Terms and Conditions - Budget



Open Grant	Targeted Grant
Eligible spending items	
<input type="checkbox"/> Tuition fee, examination, thesis for the full-time postgraduate student (non company employee) <ul style="list-style-type: none">• As of 3rd June, refer i-GRASP for MSc & PhD tuition and allowance	
<input type="checkbox"/> Allowance for the full-time postgraduate student (non company employee) <ul style="list-style-type: none">• As of 3rd June, refer i-GRASP for MSc & PhD tuition and allowance• Post-Doctorate : RM6500/month for 2 years	
<input type="checkbox"/> Software, non-customized equipment and material consumables to support research	
<input type="checkbox"/> Software or equipment rental not exceed RM50k/project	
<input type="checkbox"/> Reasonable travel from university to company and vice versa	
<input type="checkbox"/> Funding for IP filling by applicants	<input type="checkbox"/> Funding for IP filling by CREST

Open Grant	Targeted Grant
Non - eligible spending items	
<input type="checkbox"/> Consultation fee <input type="checkbox"/> Publication fee <input type="checkbox"/> Intellectual property filling <input type="checkbox"/> Legal fee <input type="checkbox"/> Conference travel and fee <input type="checkbox"/> Training fee <input type="checkbox"/> Maintenance and Repair	<input type="checkbox"/> Consultation fee <input type="checkbox"/> Publication fee <input type="checkbox"/> Legal fee <input type="checkbox"/> Conference travel and fee <input type="checkbox"/> Training fee <input type="checkbox"/> Maintenance and Repair

Examples of Industry Contributions

Company employees' time working on the research	Necessary
Use of lab or factory equipment or machine	Optional
Software license	
Training to research team members	
Intellectual property filing	
Conference travel and fee	
Additional allowance or scholarship for students (non company employee)	
Additional allowance or scholarship for students (non company employee)	Encouraged

**Total industry contribution > 50% of total research cost
(for OPEN GRANT)**

Examples of **University** Contributions

Research materials

Use of lab or factory equipment or machine

Use of software available in the university

Conference travel and fee

Intellectual property filing

Conference travel and fee

Journal publication fees

Scholarship for students (non company employee)

Requirement for R&D Grant application

- ❖ One (1) set of hardcopy CREST Research Application Form
- ❖ One (1) set of softcopy CREST Research Application Form
- ❖ Letter of Support signed by Company's top management
- ❖ Letter of Support signed by University's head of department / dean
- ❖ Company's Profile
 - a. Form 9
 - b. Paid up capital (Form 24)
 - c. List of Directors (Form 49)
 - d. Annual Report – past 2 years
 - e. Memorandum and Article of Association
- ❖ University's Profile
- ❖ Minimum two (2) quotations for procurement of equipment
- ❖ Minimum two (2) quotations for procurement of software
- ❖ Minimum two (2) quotations for procurement of research materials
- ❖ Minimum one (1) quotation for rental of equipment
- ❖ Minimum one (1) quotation for rental of software
- ❖ Minimum three (3) quotations for professional services
- ❖ Curriculum Vitae for every researcher
- ❖ Salary / fee rate declaration (as used in industrial contribution)
- ❖ CREST PDPA Consent form for every researchers

Requirement for R&D Grant acceptance

- ❖ Letter of Offer from CREST
- ❖ Approved Budget Schedule 3
- ❖ Research Grant Agreement (RGA)
- ❖ Roles and Responsibilities of the Project Leader
- ❖ Grant Acceptance Process
- ❖ CREST Membership Form (if any of the collaborators not yet a CREST member)

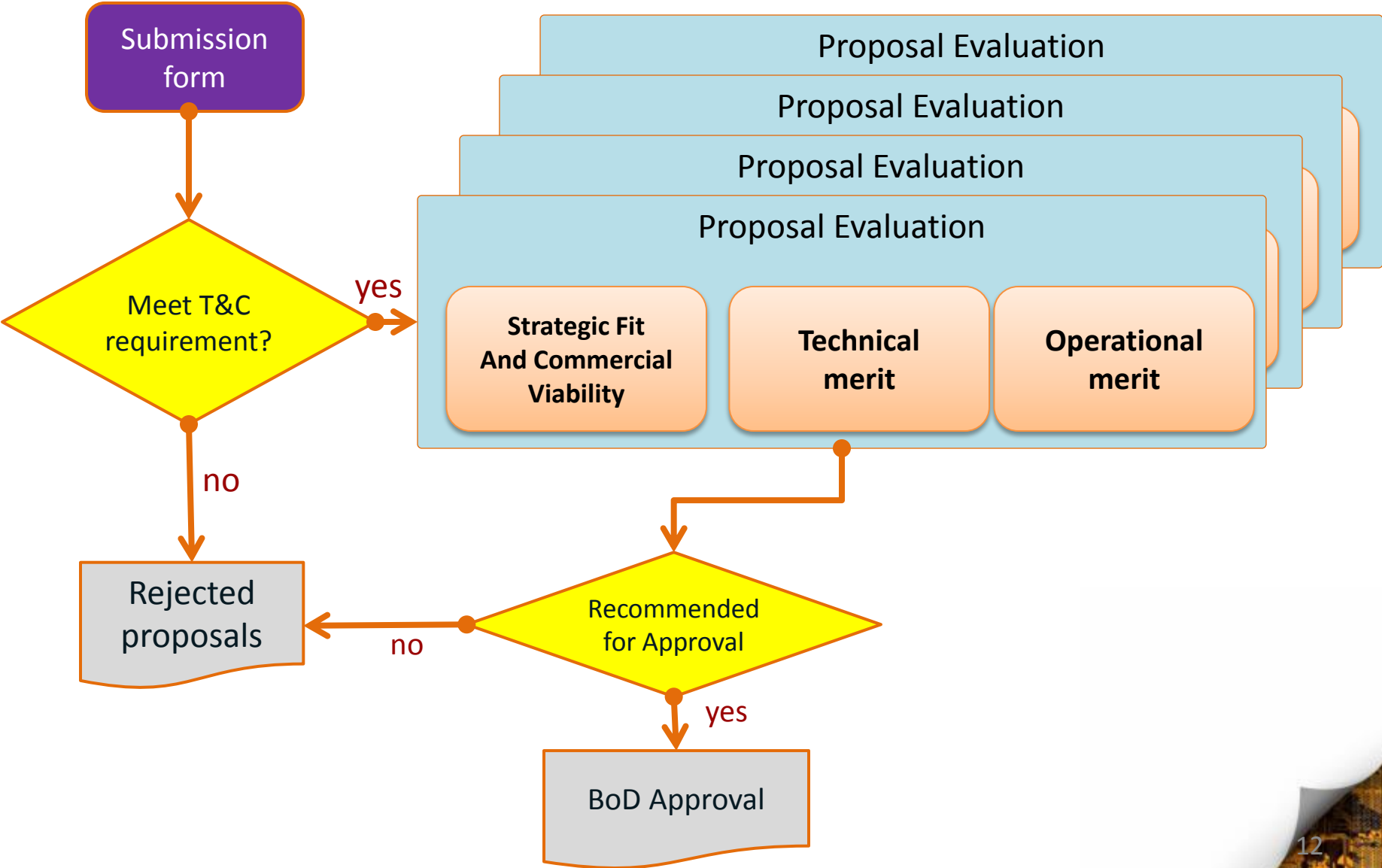
Requirement for R&D Grant disbursement

- ❖ 1st Disbursement, upon signing of RGA
- ❖ Subsequent Disbursements :
 - Prove of achieving milestones (Milestone Review and Report)
 - Drawdown Notice



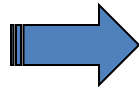
R&D GRANT EVALUATION PROCESS AND CRITERIA

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

Industry Graduate Research Assistant Scholarship Programme (i-GRASP)

- Approved by CREST BoD, 3rd June 2016



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	RM4,300.00	Tuition fee, thesis fee, etc. covered by University	36
PhD (Tier 2)	RM2,500.00	RM800.00	RM3,300.00		36
MSc (Tier 1)	RM2,500.00	RM500.00	RM3,000.00		24
MSc (Tier 2)	RM1,800.00	RM500.00	RM2,300.00		24

Guidelines

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

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 a Malaysian; and
- (d) 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 together with project progress and financial report
- Qualified candidate will be interviewed during the project review session
- Successful applicant will enter into an agreement (i-GRASP Agreement) with CREST

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 study fees (including tuition fee, exam fee, thesis fee, etc.)
- Participate in CREST scholar development programme
- Minimum of 2 weeks per year exposure in company

Service Obligation Bond



- 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 require the service of the postgraduate, CREST shall have the right to nullify the Service Obligation Bond.



Please visit www.crest.my for more information

THANK YOU