



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

Basic Terms and Conditions



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 Malaysian 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. A project shall deliver at least 1 PhD graduate if the project duration is 3 years.

Financial

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

Basic Terms and Conditions



Open Grant

Targeted Grant

Obligation

- Report and review (every 3 months)**
 - Quarterly progress and financial report submission
 - The report shall be accompanied by supporting documentation for each expense and University Bursary statement as evidence.
 - Technical report should be provided in presentation slide format and signed by all parties as evidence agreed.

- Progress update (every 1 month)**
 - Monthly progress update via email.
- Report and review (every 3 months)**
 - Quarterly progress and financial report submission
 - The report shall be accompanied by supporting documentation for each expense and University Bursary statement as evidence.
 - Technical report should be provided in presentation slide format and signed by all parties as evidence agreed.

- Project review and audit**
 - Face to face meeting / Site visit (Before release the 2nd disbursement or as required)
 - 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).

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 - Subsequent project review every quarterly before the release of the next disbursement (Face to face meeting).

- 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.

Terms and Conditions - Budget



Open Grant	Targeted Grant
Eligible spending items	
<input type="checkbox"/> Study fees (Tuition fee, examination, thesis fee, etc.) for the full-time postgraduate student (non company employee) to be covered by University (refer i-GRASP) .	
<input type="checkbox"/> Allowance for the full-time postgraduate student (non company employee) to be sponsored by CREST and Company (refer i-GRASP) . <ul style="list-style-type: none">• Post-Doctorate : RM6500/month for 2 years to be covered by CREST.• Undergraduate student (final year project) : RM1500/approved student to be covered by CREST.	
<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.	

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"/> 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

<ul style="list-style-type: none">• Allowance for students (non company employee) via i-GRASP• Company employees' time working on the research	Compulsory
<ul style="list-style-type: none">• Use of lab or factory equipment or machine	Encouraged
<ul style="list-style-type: none">• Software license	
<ul style="list-style-type: none">• Training to research team members	
<ul style="list-style-type: none">• Intellectual property filing	
<ul style="list-style-type: none">• Conference travel and fee	

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

Examples of University Contributions

<ul style="list-style-type: none">• Study fees for students (non company employee) via i-GRASP• University employees' time working on the research	Compulsory
<ul style="list-style-type: none">• Research materials	Encouraged
<ul style="list-style-type: none">• Use of lab or factory equipment or machine	
<ul style="list-style-type: none">• Use of software available in the university	
<ul style="list-style-type: none">• Conference travel and fee / journal publication fees	
<ul style="list-style-type: none">• Intellectual property filing	

Requirement for R&D Grant application

- ❖ One (1) set of hardcopy CREST Research Application Form – **Word File**
- ❖ 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/university 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)

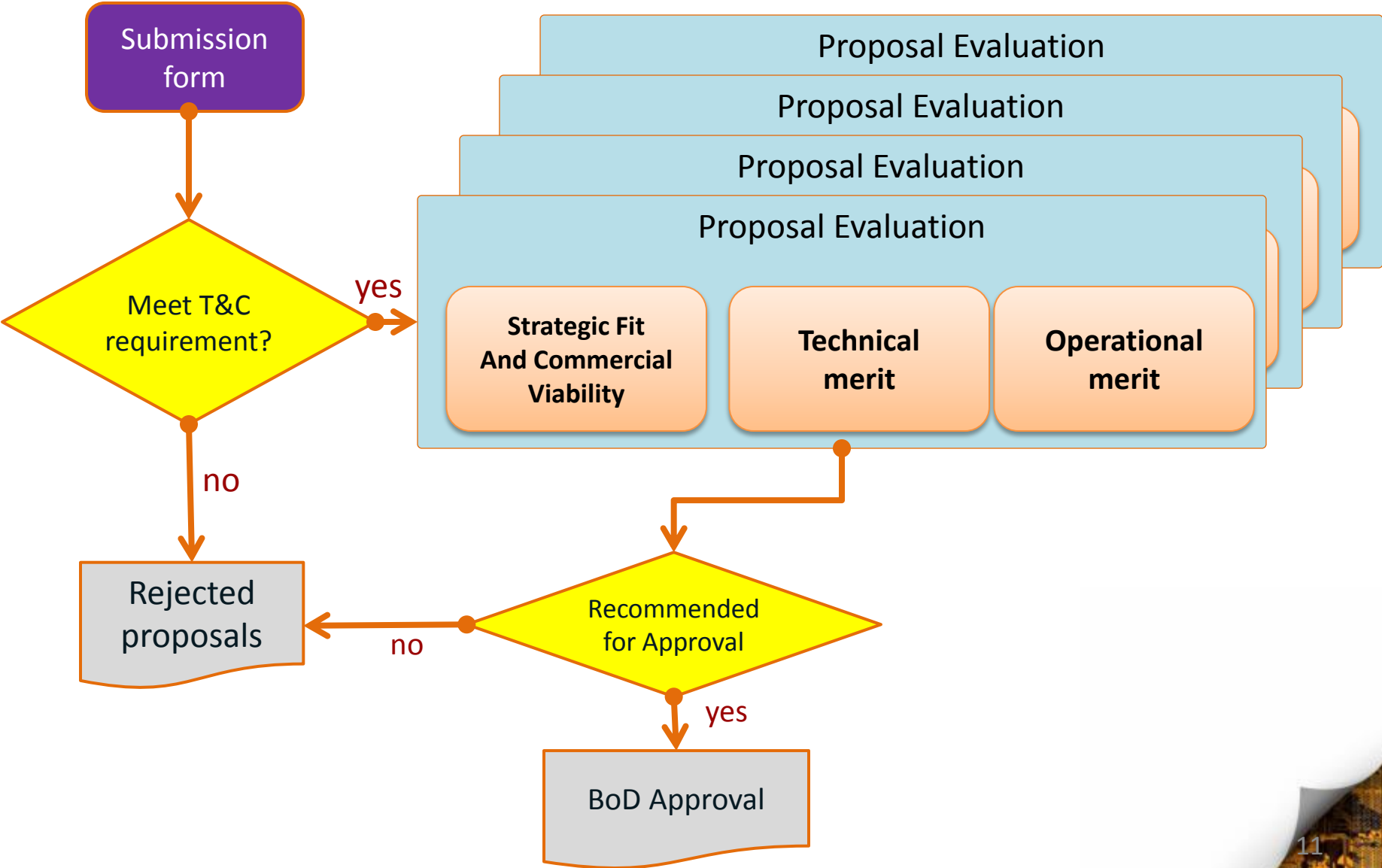
Requirement for R&D Grant disbursement

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



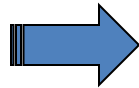
R&D GRANT EVALUATION PROCESS AND CRITERIA

R&D Grant Evaluation Process



Assessment is done based on criteria:

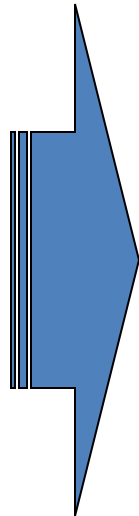
CREST Internal Screening



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)



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 by CREST, the Company and the University 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

- 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.



Please visit www.crest.my for more information

THANK YOU