

Project Code	
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CREST RESEARCH APPLICATION FORM

One (1) hardcopy and softcopy (email : rndgrant@crest.my) of this form must be submitted to the Collaborative Research in Engineering, Science & Technology (CREST) Center, Research & Development Division, Block C, Ground Floor, sains@usm, No. 10 Persiaran Bukit Jambul, 11900 Bayan Lepas, Penang, Malaysia. (<http://www.crest.my>)

[Incomplete Applications will not be reviewed]

DETAILS OF RESEARCHER
Name of Project Leader:
Position:
Office Telephone No:
E-mail Address:
Mailing Address:
Name of organisation:
Location of research:

COMPANY INFORMATION

Company Name:

Address:

Company No:

Brief description of Company:

Company's role in the project:

Note:

- (1) If more than one company is involved, please provide information about the primary company and include information on the other companies in attachments.
- (2) Please attach a support letter signed by Company's top management.



Support letter
(Company).docx

ACADEMIA INFORMATION

University Name:

Address:

Brief description of University:

University's role in the project:

Note:

- (1) If more than one university is involved, please provide information about the primary university and include information on the other universities in attachments.
- (2) Please attach a support letter signed by University's head of department / dean.



Support letter
(University).docx

PROPOSED RESEARCH TEAM MEMBERS:

	Name	Organisation	Designation	Highest Academic Qualification/ Designation	Email	Signature
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

Note:

Please provide a compact Curriculum Vitae for all team members using the format below:



Curriculum Vitae.docx

<p>A</p>	<p>RESEARCH INFORMATION</p>
<p>A(i)</p>	<p>Title of proposed research :</p>
<p>A(ii)</p>	<p>Research Area (Please tick (✓):</p> <p>Industrial Cluster</p> <p> <input type="checkbox"/> Semiconductor <input type="checkbox"/> Optoelectronics </p> <p> <input type="checkbox"/> Solar <input type="checkbox"/> Industrial Electronics </p> <p> <input type="checkbox"/> Others </p>
<p>A(iii)</p>	<p>Duration of this research (Maximum 36 months):</p> <p>Duration: _____</p>

B	Executive Summary of Research Proposal (maximum 300 words) (Please include the background of research, literature reviews, objectives, research methodology and expected outcomes from the research project)
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<p>C</p>	<p>DETAILED PROPOSAL OF RESEARCH PROJECT: <i>(Minimize use of company/university name, person's name, product name or other references suggesting the identity of the parties in the application to facilitate blind review process)</i></p>
<p>C(i)</p>	<p>Research background including problem statement and research methodology.</p>
<p>C(ii)</p>	<p>Objective(s) of the Research</p> <p>This study embarks on the following objectives:</p> <ol style="list-style-type: none"> 1) To investigate 2) To assess..... 3) To investigate 4) To make recommendation based on
<p>C(iii)</p>	<p>Please state research methodology</p>

C(iv) Research Project Plan
(Please refer CREST R&D Grant Guideline on Developing Project Plan)

1. Research project scope

2. Flow Chart of Research Activities (Please enclose in the Appendix as appropriate)

3. Gantt Chart of Research Activities including Milestones and Dates (Please enclose in the Appendix as appropriate)


4. Human Resources Plan (Team composition, roles and responsibilities, hiring, etc.)

Name of Members	Organisation	Roles	Responsibilities

5. Risk Plan

Rank	Risk Statement	Risk Level	Risk Response
1			
2			
3			
4			

C(v)	<p>Expected output:</p> <p>1. Number of Malaysian post graduate students to be produced (Please specify Master or / and PhD)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="text-align: left;">Graduate student output</th> <th style="text-align: center;">Count</th> </tr> </thead> <tbody> <tr> <td>Full time Master graduate</td> <td style="width: 100px;"></td> </tr> <tr> <td>Full time PhD graduate</td> <td></td> </tr> <tr> <td>Industrial Master graduate</td> <td></td> </tr> <tr> <td>Industrial PhD graduate</td> <td></td> </tr> </tbody> </table> <p><i>(Note: Full time postgraduate students are non-employee students working on the project on a full time basis. Industrial postgraduate students are employees of a company working on the project on a part time basis.)</i></p> <p>2. Number of intellectual property (patent / open source) expected to be filed</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="text-align: left;">Intellectual Property Filing</th> <th style="text-align: center;">Count</th> </tr> </thead> <tbody> <tr> <td>Foreground Intellectual Property Rights</td> <td style="width: 100px;"></td> </tr> <tr> <td>Open Source Licence</td> <td></td> </tr> </tbody> </table> <p>3. Number of expected publications (refereed conference, journal)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="text-align: left;">Publications</th> <th style="text-align: center;">Count</th> </tr> </thead> <tbody> <tr> <td>Journal Publication(s)</td> <td style="width: 100px;"></td> </tr> <tr> <td>Conference Publication(s)</td> <td></td> </tr> </tbody> </table>	Graduate student output	Count	Full time Master graduate		Full time PhD graduate		Industrial Master graduate		Industrial PhD graduate		Intellectual Property Filing	Count	Foreground Intellectual Property Rights		Open Source Licence		Publications	Count	Journal Publication(s)		Conference Publication(s)	
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Conference Publication(s)																							
C(vi)	<p>Expected benefits:</p> <ol style="list-style-type: none"> 1. How does this research benefits participating companies? 2. How does this research benefit other companies within the E&E industry? 3. How does this research increase competency of participating universities? 4. What are the shared benefits of this research to the participating companies and universities? 																						

D	ACCESS TO EQUIPMENT AND SOFTWARE																		
	<p>Access to existing equipment and software:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Existing Equipment / Software</th> <th style="width: 50%; text-align: center;">Location</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <p>Access to proposed new equipment and software:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">New Equipment / Software</th> <th style="width: 50%; text-align: center;">Proposed Location</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Existing Equipment / Software	Location									New Equipment / Software	Proposed Location						
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New Equipment / Software	Proposed Location																		
E	BUDGET																		
	<p>Please indicate your estimated budget for this research and details of expenditure in the excel file attached.</p> <div style="text-align: center;">  <p>Budget C1-2014.xlsx</p> </div> <p><u>Note:</u></p> <ol style="list-style-type: none"> (1) The industry is encouraged to contribute for the research. Contributions in the form of financial funds, expertise, equipment, services etc. need to be translated in value of financial contribution. (2) Please provide quotations and details of usage for equipment and software. (3) Please specify if the equipment is dedicated to a specific industry. 																		

F	Declaration by applicant (Please tick (√)):
	<p>I hereby declare that:</p> <p><input type="checkbox"/> 1. All information stated here are accurate, CREST has right to reject or to cancel the offer without prior notice if there is any inaccurate information given.</p> <p><input type="checkbox"/> 2. Application of this CREST R&D grant is also presented for the other reasearch grant(s) (Please provide name of grant and total amount)</p> <p>_____</p> <p>_____</p> <p>Date : Applicant's Signature :</p>

Note:
Application submitted will be treated in full confidence. The award decision is final.

CHECKLIST FOR CREST R&D GRANT APPLICATION FORM

- 1) One (1) set of hardcopy CREST Research Application Form
- 2) One (1) set of softcopy CREST Research Application Form
- 3) Letter of Support signed by Company's top management
- 4) Letter of Support signed by University's head of department / dean
- 5) Company's Profile
- 6) University's Profile
- 7) Minimum two (2) quotations for procurement of equipment.
- 8) Minimum two (2) quotations for procurement of software.
- 9) Minimum two (2) quotations for procurement of research materials.
- 10) Minimum one (1) quotations for rental of equipment.
- 11) Minimum one (1) quotations for rental of software.
- 12) Minimum three (3) quotations for professional services.
- 13) Curriculum Vitae for every researchers.
- 14) Salary/fee rate declaration (as used in industrial contribution).