



Fastrack Design & Development and Innovation Request for Proposal (2024 / 2025)

Terms & Conditions

About The RFP

- **Objectives**

- Identify and support the Fastrack basis (within 1 year effort) of design, development and innovation in E&E technologies in the related application and market verticals especially for MSME.
- Encourage collaborative and applied research, prototype development, and minimum viable product among industry and universities as part of E&E development especially for MSME.

- **Key Requirements**

- Design and Development From Technology Readiness Level 6-9
- Demonstration of minimum viable product or prototype
- Involves invention and intellectual property generation
- Involves high technical knowhow and program management
- Completion of the project within 12 months

- **Eligibility**

- The CREST R&D Grant is open to all applicants.
- Upon successful award, the recipient need to be member of CREST.

Basic Terms and Conditions

Basic Criteria

- Design & Development and Innovation focus collaborative projects
- For Medium and Small Medium Enterprise
- Produce Intellectual Property and Minimum Viable Product
- TRL 6 to 9

Collaboration Partners

- The research project requires a minimum partnership between a company and an university in Malaysia.

Duration

- Duration of this collaborative project must be completed within 12 months.

Maximum Grant Amount

- This grant will have a maximum cap limit of RM250,000 request to CREST

Membership

- Open for application for any company or university.
- Once awarded, recipient need to be a CREST member to receive the award.

❑ TRL 6: System/sub-system model or prototype demonstration in a relevant environment

- A high-fidelity prototype of the system/subsystems that adequately addresses all critical scaling issues is built and tested in a relevant environment to demonstrate performance under critical environmental conditions. Limited documentation available. Engineering feasibility fully demonstrated in actual system application.

❑ TRL 7: System prototyping demonstration in an operational environment

- A high-fidelity prototype or engineering unit that adequately addresses all critical scaling issues is built and functions in the actual operational environment and platform. Well integrated with collateral and ancillary systems. Limited documentation available.

❑ TRL 8: Actual system completed and end-use qualified through test and demonstration in an operational environment

- The final product in its final configuration is successfully demonstrated through test and analysis for its intended operational environment and platform. If necessary, life testing has been completed. Fully integrated with operational hardware and software systems. Most user documentation, training documentation, and maintenance documentation completed. All functionality tested in simulated and operational scenarios. Verification and validation completed.

❑ TRL 9: Actual system end-use proven through successful operations

- Fully integrated with operational hardware/software systems. Actual system has been thoroughly demonstrated and tested in its operational environment. All documentation completed. Successful operational experience. Sustaining engineering support in place.

Basic Terms and Conditions

Financial Arrangement

- Being a matching grant scheme, industry and university contributions (both in cash and in-kind) must be at least 50% of the total research budget proposed.
- For research resource, CREST contributes to the salary of the engineering resources up to RM3,000 per month for the duration of the project up to a maximum of 5 resources.
- Procurement of equipment and software will be managed by CREST. All equipment and software purchased using the CREST R&D Grant shall be owned by CREST.
- Intellectual property (IP) is to be generated from the Project. Approved registration costs of the IP generated from the Project in Malaysia and incidental costs will be paid by CREST and registered under CREST. A supplementary sharing arrangement of the IP will be used to determine the share of the IP among collaborating parties.

Basic Terms and Conditions

Eligible Cost

- Research resources in the form of graduate researchers or technical salaried personnel
- Research equipment, software, services, or material required
- Product certification, market, and clinical trial
- Intellectual property management

Non-Eligible Cost

- Consultation fee
- Publication fee
- Legal fee
- Conference and travel fee
- Training fee
- Office/lab rental
- Office administration supplies

Reporting and Progress Update Obligations

Quarterly Progress Report

- Progress and financial report submissions need to be submitted every quarter.
- The report shall be accompanied by supporting documentation for each expense bank account statement as evidence.
- Technical report should be provided in presentation slide format and signed by all collaborators.

Project Review and Audit

- Face-to-face or online review meetings and site visits will be arranged to review and approve scheduled disbursement once the project team meets milestones as per Research Grant Agreement

Change Management

- Any changes and deviations from the Research Grant Agreement will require a Change Request Form (CRF) and, thereafter, a review and approval by CREST.
- The latest approved changes will supersede milestones of the Research Grant Agreement.

Reporting and Progress Update Obligations

Technical Publications

- Journal and conference technical publications shall be provided to CREST.

Intellectual Property

- Invention Disclosure to CREST for IP filing purposes.

Market or Business Plan

- Business or market plan for products or services shall be developed.

Project Closure Documents

- Final Report, Impact Information Report, and Project Outcome Report to be submitted at project closure.

Maintaining Confidentiality

- Details of the project under the CREST R&D grant must not be shared with other parties without CREST's permission.