



# CYBERSECURITY GRANTS PROPOSAL

# Cybersecurity Center Research Grant Proposal

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Cybersecurity Center at Prince Mohammad Bin Fahd University (PMU) announces the first cybersecurity research grant proposal. The objective of this grant is to encourage researchers to explore and research in cybersecurity-related disciplines. The purpose of research grant proposal is to build long-term research collaborations with cybersecurity researchers. Researchers from all sub-disciplines of cybersecurity are encouraged to apply for the research grant.

## 1. Eligibility of the Applicant

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- ▶ Applicant must have a proven track of knowledge in the relevant topics. (Each applicant is recommended to submit the Google Scholar link along with the application).
- ▶ An application may be submitted by an individual or a group of researchers.
- ▶ Applications are invited from all evolving cybersecurity disciplines.
- ▶ Interdisciplinary projects and collaborative research are much encouraged.
- ▶ There should be no conflict of interest with other universities, institutes, etc.
- ▶ One applicant cannot be involved in more than **one** proposal.
- ▶ Based on the *deliverables* of winning proposals the grant amount could be upto US \$10000.

## 2. Proposal Funding

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- ▶ The proposal aims at encouraging networking, university-industry partnerships and long-term research collaborations with PMU.
- ▶ Projects aiming at creating intra-disciplinary or interdisciplinary research groups will be supported.

## 3. Deadline for submission

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The deadline for receipt of the full proposals is Sunday, February 7, 2021. Applicants of winning proposals will be notified on or before Wednesday, March 31, 2021.

## 4. Expected Outcomes

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The grant proposal is expected to produce **at least** one Scopus or **Web of Science (Science Citation Index Expanded) journal publication** with impact factor, and at least one Scopus conference publication. Preliminary dissemination of results is expected by the beginning of June 2021 while the outcomes should be obvious and convincing after one year from the date of acceptance.

## 5. Objectives of the proposal grants

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- ▶ To encourage scholarly work and research in cybersecurity.
- ▶ To make quality contributions to the development of the KSA and international society.
- ▶ To contribute to the state of the art of the cybersecurity-related topics in diverse fields (e.g., cyber-physical systems, national security, cybersecurity frameworks, threat detection, and threat prevention).

## 6. Proposed Format

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Proposals will be reviewed on a competitive basis for funding (intellectual merit and the impact on the society, economy, and industry). Proposals should provide thoroughly detail on the intended research objectives of the project, the necessary resources, steps involved in completing the project, and the methodology that will be utilized to complete the project. Proposals must conform to the guidelines stated in the templates provided.

In general, grant proposals must include the following components:

- ▶ **Abstract:** Defines the Research Problem. Describe the Relevance and Significance of the issue to be addressed. Choose a significant and attractive title for your research.
- ▶ **Scope:** Describe the range of areas you wish to address and justification for the choice.
- ▶ **Objectives:** State-specific, measurable, relevant, and time-bound objectives. Relate the project to theoretical needs and demonstrate their impacts on society.
- ▶ **Description of the Proposed Project:** How will this project be undertaken? List how it will be creative, scientific, and has a societal impact. Show how the project supports the purpose.
- ▶ **Literature Review:** Summarize a brief survey of the relevant literature and describe and synthesize the research and literature that support the need for a

new study that you are proposing to validate, extrapolate, or to criticize rigorously the previous findings.

- ▶ **Methodology:** The methodology section should describe how each specific objective will be achieved, with enough detail to enable an independent and informed assessment of the proposal. This section should include a research task, data collection, data analysis, and specific tools that will study each research objective.
- ▶ **Budget Details:** State the expenses in respect of all cost-per-head, salaries, data collection, books, stationary, communications, computational resources etc.

## 7. Guidelines for Submission

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The proposals must include the following components:

- ▶ An outline of the title of the proposal that you will submit, the research problem, relevance, significance of the research issue, and the impact on Society.
- ▶ A research synopsis indicating the Research objectives, Scope, proposed research methodology, and time frame (no more than 2,000 words).
- ▶ A synopsis of the bio-data of the applicant(s) with relevant LinkedIn or Scholar links (no more than 1,000 words).

## 8. Proposal Review and Approval Process

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Proposals that qualify for the pre-screening will be evaluated by the Grants Committee based on the selection criteria listed below.

## 9. Selection Criteria

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Proposals that qualify pre-screening will be reviewed by the Grants Committee. The following criteria will be adopted to select the best proposals:

- ▶ **The relevance of the proposal:** The degree to which the proposal addresses present or future cybersecurity issues/applications/requirements.
- ▶ **Sustainability:** Proposals that indicate sustainable collaboration with PMU involving faculty collaboration will be given priority.
- ▶ **Objectives:** The specificity, measurability, attainability, and time frame.
- ▶ **Contribution:** How significant are the contributions to the discipline, and the society.

- ▶ **Proposer's Past Scholarship/Expertise:** Expertise of the applicants concerning the proposed research.
- ▶ **Research Methodology:** The degree to which the proposal represents a creative and scientific approach (quantitative or proven qualitative methods) to the accomplishment of objectives.
- ▶ **Feasibility:** Potential for longer-term sustainability beyond the period of the proposed research.
- ▶ **Cost-effectiveness:** The budget is complete, realistic, and justifiable.

## 10. Submission method

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All correspondence and submissions should be emailed to:

[pcc@pmu.edu.sa](mailto:pcc@pmu.edu.sa)

[hhimor@pmu.edu.sa](mailto:hhimor@pmu.edu.sa)

Please make sure that you received an email acknowledgment confirming your submission.