**VISION-2019**

**(Vikram Sarabhai Innovation CompetitiON)**

**Physical Research Laboratory, Ahmedabad**

**INTRODUCTION AND GUIDELINES FOR SUBMISSION OF PROPOSALS**

*(Please read the guidelines carefully before submission the proposal)*

**1. PRL**

Physical Research Laboratory (PRL) is a premier national research institution, under the aegis of the Department of Space, Government of India. Founded in 1947 by Dr. Vikram Sarabhai, PRL has served as the “cradle of space sciences” since its inception. The institute is a cradle for space sciences having prime focus on development and pursuance of basic sciences in the research domains of Theoretical Physics; Astronomy and Astrophysics, Solar Physics, Atomic, Molecular and Optical Physics; and in Earth, Planetary, Atmospheric and Space Sciences.

**2. About Competition**

The year 2019, marks the birth centenary year of Dr. Vikram A. Sarabhai, the father of Indian Space Programme and founder of PRL. Dr. Sarabhai always encouraged the young and brilliant students who has desire to excel in innovation and serve country in scientific endeavors. The competition is a tribute to the great visionary to encourage younger generation scientists and the brilliant innovations. The main aim of the competition is to

* support the new and original ideas, which has potential for new innovations. The competition will provide a prestigious national platform to showcase their new ideas of research and innovation
* Science Popularization among young students.
* Recognition and Nurturing of young talent within India
* Creating awareness among students about Physical Sciences and allied topics and its application to society

**3. Proposal Grant and Rewards**

The proposals selected for execution will be provided a project grant up to Rs. 3 Lakhs (Rs. 50,000/- for consumables and Rs. 2,50,000/- for equipment). ***The project grant shall be reimbursed to the concerned Department through their Head of the Department*** against the production of valid invoices/bills etc. The equipment under this grant may be treated as asset and will remain with the institution for their use in laboratories.

The successful projects will be evaluated by experts, the participant students will be ranked and best 3 projects will be awarded the prizes of,

**1st Prize: Rs. 3 Lakhs**

**2nd Prize: Rs. 2 Lakhs**

**3rd Prize: Rs. 1 Lakh**

**4. Eligibility for Participation**

1. Students pursuing their B.Sc., Integrated M.Sc., M.Sc., B.E./B.Tech. and preferably in pre-final year (1 or more year remaining for completion of their degree).
2. Individuals or a group (not more than 3 students) from same college or institute can apply for the competition.
3. The students must submit the approval from Head of Department in the prescribed pro-forma.
4. The submitted proposals must be endorsed by the Head of Institution in the prescribed pro-forma.

**5. Nature of Proposal**

1. Proposals are invited for the execution and demonstration of original innovation and development ideas in the domains of Physical Sciences (e.g. Physics, Astronomy and Astrophysics, Earth Sciences, Space and Atmospheric Sciences etc.)
2. Proposals may include (but not limited to) executable concepts for an experimental demonstration or prototype setup/system development.
3. The proposals must be novel and experimental in nature e.g. setup related to new innovations, prototype development etc.

1. Proposals in the prescribed format (see template) should be sent by email to **vision2019@prl.res.in** latest by **30 March 2019.**

**6. Screening, Review, Selection and Evaluation Procedure**

Following will be the procedure adopted for proposals

1. **Submission of proposal:**

a. The proposals should be submitted in the prescribe format on or before the due date **(30th March 2019)**.

b. The signed and scanned copy (PDF version) the full proposal documents must be submitted through e-mail **vision2019@prl.res.in****.** The original documents must be mailed to the following address:

**The Coordinator**

**VISION-2019**

**Physical Research Laboratory (PRL)**

**Navrangpura, Ahmedabad**

**Gujarat-380009**

c. Paper size: A4; Font size: 12; Font Character: Times New Roman

d. Referencing Style: Any Standard Format

2. **Screening of Proposals:**

The submitted proposals will be screened by team of experts. The selected teams shall be informed by **April 2019** and would be called for in person presentation at PRL, Ahmedabad. To and Fro 3rd AC rail fare for the shortest route and local hospitality shall be provided to all the participant candidates.

4. **Allocation of Project Grant:**

Selected teams after the screening presentation shall be provided a project grant up to Rs. 3 Lakhs (Rs. 50,000/- for consumables and Rs. 2,50,000/- for equipment). The project grant shall be ***reimbursed to the concerned Department through their Head of the Department*** against the production of valid invoices/bills etc. The equipment under this grant may be treated as asset and will remain with the institution for their use in laboratories.

5. **Project Execution:**

The selected teams shall be carrying out the experiments/development in their respective college premises during June-November 2019.

6. **Midterm evaluation:**

The status of the granted projects will be evaluated after 3-4 months from the beginning of the projects. A team of expert from PRL will review the progress of projects.

7. **Final Presentation and Evaluation:**

 The project teams will be called at PRL in **December 2019** for final presentation. The completed projects will be comprehensively reviewed and prizes will be announced.

**9. Timeline**

Last Date of submission of Proposal : 30th March 2019

Notification of acceptance of the proposal : April 2019

Proposal Presentation at PRL : May 2019

Start of project : June 2019

Completion of Projects : November 2019

Final Presentation and Evaluation : December 2019

**10. Contact Information**

The Coordinator

VISION-2019

Physical Research Laboratory (PRL)

Navrangpura, Ahmedabad

Gujarat-380009

E-mail: vision2019@prl.res.in