



# PHYSICS ALUMNI ASSOCIATION

## University of Peradeniya

PAA.UP, Department of Physics, Faculty of Science, University of Peradeniya,  
Peradeniya, 20400 Sri Lanka.

10<sup>th</sup> Jan 2023

Dear University of Peradeniya Physics Alumnus,

### Physics Donation Drive

Due to the situation of the country, and the usual degradation of resources over time, our mother department is in desperate need of your support in maintaining and uplifting its educational standards.

Frist of all, the department would extend the sincere gratitude to the alumni who helped us individually and as batch wise contributions. A summary of recent donations can be found here.

[https://drive.google.com/file/d/19-bhDhMvsTKBau31KT7LdaV\\_XnwJB1ij/view?usp=share\\_link](https://drive.google.com/file/d/19-bhDhMvsTKBau31KT7LdaV_XnwJB1ij/view?usp=share_link)

The department expects your kind support in acquiring the following equipment

### Category 1: *Demonstration and Kits*

These are for 1<sup>st</sup> year lecture-demonstrations and for 3<sup>rd</sup> /4<sup>th</sup> year Lab. May also be used in Science Camps for rural students and in the Science Resource Center UOP, for A/L students visits.

<https://docs.google.com/spreadsheets/d/1wvXvFJhMMwr87tPAL4-wnbOdGPEcIT8cDybUMnQDMNE/edit?usp=sharing>

### Lab upgrade Project 2: *Major Upgrade of the Electronics Teaching Lab*

This lab serves a sizable population of students from over 3 degree programs and 2 faculties, and is one of the busiest labs now. However equipment are decades old and not in par with the current world needs. Out of 13 required, we have only 8 working setups and 3 are about to fail. In parallel to new curricula, we plan to upgrade the lab in 3 phases, and please see the draft proposal (with student's feedback as proof of need/success)

[https://drive.google.com/file/d/1unU4T9fL-qYXzLCNF50HA9J74ertFTBJ/view?usp=share\\_link](https://drive.google.com/file/d/1unU4T9fL-qYXzLCNF50HA9J74ertFTBJ/view?usp=share_link)

### Category 2: *Undergraduate Lab/Research Aids*

Therese are for undergraduate research and demonstrations in the specialized (3000/4000 level) courses. Some are higher budget, but high impact.

[https://docs.google.com/spreadsheets/d/19RuOpvswtN8WzrqjDtGfm\\_1SGNWvRNNmhZYTtKkLv8A/edit?usp=sharing](https://docs.google.com/spreadsheets/d/19RuOpvswtN8WzrqjDtGfm_1SGNWvRNNmhZYTtKkLv8A/edit?usp=sharing)

### Category 3: *Online Teaching & Conferencing Aids*

Compared to other departments, we have negligible resources in audio-visual sector. With the help of Physics special batches 2014, 2005 ... and a few alumni, we started building an 'Audio-Visual Studio' for the department and the entire faculty, and we need the following to complete the relevant projects.

Other department level teaching items are also included.

[https://docs.google.com/spreadsheets/d/1\\_Cu83IOGyWuhm9zTGdk4mvLnj12sqkyE1kXuTo2f3KI/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1_Cu83IOGyWuhm9zTGdk4mvLnj12sqkyE1kXuTo2f3KI/edit?usp=sharing)

- **Patron** (Head,  
Department of Physics)  
*Dr. V. Sivakumar*  
headphy@sci.pdn.ac.lk
- **President**  
*Dr. Chandana P. Jayalath*  
jayalathcp@sci.pdn.ac.lk  
+94 703215047
- **Immediate Past President**  
*Dr. Varuni A. Seneviratne*
- **Secretary**  
*Dr. Thiloshana P. Ranawaka*  
tpranawaka@sci.pdn.ac.lk  
+94 710594999
- **Treasurer**  
*Prof. Kalinga Bandara*  
kalingab@sci.pdn.ac.lk  
+94 777619271
- **Assistant Secretary**  
*Dr. Amila Weerasinghe*  
amila.csw@gmail.com  
+1 3144000552
- **Assistant Treasurer**  
*Dr. Thushari Jayasekara*  
thusharij@gmail.com  
+1 6186813363
- **Vice president**  
(Academic Development)  
*Dr. Kapila B. Wijayaratne*  
kapila@sci.pdn.ac.lk  
+94 762595946
- **Vice president**  
(Research Development)  
*Dr. Buddhika S. Dassanayake*  
buddhikad@sci.pdn.ac.lk  
+94 703215054
- **Vice President**  
(Student Welfare)  
*Dr. Nilushi L. Dassanayake*  
nilushi.dasanayake@  
sci.pdn.ac.lk +94 704153755
- **Advisor**  
(Academic Development)  
*Rtd. Senior Prof.*  
*K. Premaratne*
- **Advisor**  
(Research Development)  
*Prof. Emeritus*  
*Lakshman Dissanayake*
- **Advisor**  
(Student Welfare)  
*Prof. Emeritus*  
*B.S.B. Karunaratne*

Lab upgrade Project 1: *Nuclear physics (Teaching) and Radiation physics (Research) lab*

Phase 1 : Acquisition of a Gammascoppe (USD 2000)

Completed with the generous support from the Physics Special Batches ?????

Phase 2 : Establishing a radiation physics research laboratory for postgraduate research.

Completed using internal resources.

Phase 3 : Air Conditioning the Nuclear physics teaching lab for the safety of the equipment. Postponed due to the situation of the country.

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**How to donate:**

The department cannot accept any monetary donations and we expect to receive equipment.

If you are willing to help the department individually or as a group/batch, please contact one of us

The head : Dr. V. Sivakumar ([vsivakumar53@gmail.com](mailto:vsivakumar53@gmail.com))

President of the Physics Alumni Association: Dr. Chandana Jayalath ([jayalathcp@sci.pdn.ac.lk](mailto:jayalathcp@sci.pdn.ac.lk))

Project lead: Dr. B.M.K. Pemasiri ([bmkp@sci.pdn.ac.lk](mailto:bmkp@sci.pdn.ac.lk))

vice president (academic) Dr. Kapila Wijayaratne ([kpalia@sci.pdn.ac.lk](mailto:kpalia@sci.pdn.ac.lk))

Our key bottleneck has been fund raising and that is where we need your support. The subsequent steps like purchasing equipment, packing, shipping, customs clearance, transport can be arranged with the help of junior alumni. Therefore you do not have to think about the whole process at once, we will do the coordination of the process.

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Thank you,  
Yours sincerely,



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President,  
Physics Alumni Association  
University of Peradeniya



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Head,  
Department of Physics  
University of Peradeniya