

Revising the Student Experiment Materials and Practices at the National University of Laos

Authors : Syhalath Xaphakdy, Toshio Nagata, Saykham Phommthat, Pavy Souwannavong, Vilayvanh Srithilat, Phoxay Sengdala, Bounaom Phetarnousone, Boualay Siharath, Xaya Chemcheng

Abstract : The National University of Laos (NUOL) invited a group of volunteers from the Japan International Cooperation Agency (JICA) to revise the physics experiments to utilize the materials that were already available to students. The intension was to review and revise the materials regularly utilized in physics class. The project had access to limited materials and a small budget for the class in the unit; however, by developing experimental textbooks related to mechanics, electricity, and wave and vibration, the group found a way to apply them in the classroom and enhance the students teaching activities. The aim was to introduce a way to incorporate the materials and practices in the classroom to enhance the students learning and teaching skills, particularly when they graduate and begin working as high school teachers.

Keywords : NUOL, JICA, physics experiment materials, small budget, mechanics, electricity

Conference Title : ICPE 2016 : International Conference on Physics Education

Conference Location : Singapore, Singapore

Conference Dates : September 08-09, 2016