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**COMPUTER BASED COMPLEMENTARY-LEARNING
PACKAGE IN ROTATIONAL MOTION FOR G.C.E.
(ADVANCED LEVEL) PHYSICS STUDENTS**

**PROJECT REPORT PRESENTED BY
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**To the Board of Study in Science Education of the
POSTGRADUATE INSTITUTE OF SCIENCE**

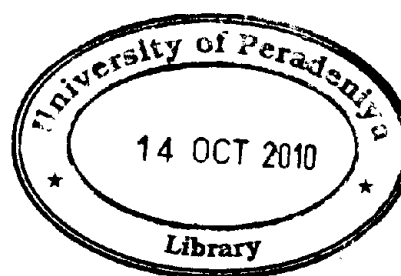
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ABSTRACT

COMPUTER BASED COMPLEMENTARY-LEARNING PACKAGE IN ROTATIONAL MOTION FOR G.C.E. (ADVANCED LEVEL) PHYSICS STUDENTS

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The development of science and technology provides opportunities to introduce new technologies to improve efficiency of the education. The rapid evolution of Information and Communication technology contributed significantly to the phenomenal growth in education. Science and technological development in education gives support to learning at all levels. In particular the computers provide best technology for supporting education in different modes of teaching and learning.

Those technologies are now well established as an instructional resource in education. Students are more likely to work cooperatively when work with computers. Very obvious feature of computers is that they allow powerful visualisations of modals and all kinds of computer phenomena. Teacher can use computers as teaching tools for appropriation and understanding of computer knowledge. The computer is capable of assisting the learning process in variety of ways.

It is important to develop computer based instructional resources by educators for proper school curriculum in Sri Lanka. In this project a computer package in the topic of *rotational motion* in A/L Physics syllabus was prepared by using Macromedia Flash Professional-8 to increase the efficiency of student learning and facilitate the teaching.