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**EVALUATION OF COMPUTER-BASED CONCEPTUAL
SIMULATIONS: A CASE WITH REPRODUCTION
IN FLOWERING PLANTS**

A PROJECT REPORT PRESENTED

BY

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to the Board of study in science education of the

POST GRADUATE INSTITUTE OF SCIENCE

in partial fulfillment of the requirement
for the award of the degree of

MASTER OF SCIENCE

of the

UNIVERSITY OF PERADENIYA

SRI LANKA

2004

603416

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Abstract

Integrations of information technology with curriculum are possible by computer simulation. Its environment offer the possibility to include support for the learner in the learning environment but selecting the correct and qualify softwares tally with our curriculum expectation is difficult and those are expensive.

Computer animation courses are available at private information technology centers in our locality so I decided to use this resource. I selected the unit1 of the year 11 Science and technology subject that is reproduction in flowering plants and initially conducted an investigative test to find out students self concepts and critical barriers on this unit. Based on the findings a lesson was planned with conceptual simulations. Controlled experiment to contrast learning from conventional instruction was conducted and finally tested their achievement.

Study demonstrated that teacher designed conceptual simulation motivate students, enhance instruction for all categories of students, improve students attitude towards learning and help to have finely tuned analysis of the content and provide scaffolding for the process of conceptual change. Teacher designed computer simulation motivates teachers and frees them from some routine instructional task and it creates a cross platform for communication and help to reduce the threatening aspects of this modern technology!