

Name of product : Exam Generator for Outcomes Based Education (ExGenoba)

Researcher details

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Faculty : Faculty of Informatic & Computing

Cluster/Area of study : Data Mining

Status of the product : Patented/ Copyright

Product description :

Academicians in Learning Institutions are usually in dilemma when it comes to creating quality questions that could measure the students' skills and knowledge. Moreover, most academic institutions are not yet equipped with organized knowledge bank repository that can assist the teachers/lecturers in assessing previous questions in helping the lecturers to create new sets of questions. ExGenoba was developed to help teachers/lecturers to automatically identify the level of questions based on Bloom's Taxonomy using Intelligent Question Checker (IQC). The questions will next be stored in an organized repository known as Knowledge Questions Bank (KQB). In addition, a component known as Automatic Exam Generator (AEG) could automatically create exam questions from the KQB. Answers from the students would then be used in a comprehensive analysis to measure students



PROBLEMS & OBJECTIVES



Student Centered Learning Dilemma



ExGenoba Objectives...

"How to assess students using examination questions to obtain learning outcomes"

"How to create quality questions based on Bloom's Taxonomy"

"How to manage exams questions efficiently"

"Automatic Bloom's Taxonomy Exam Generator"

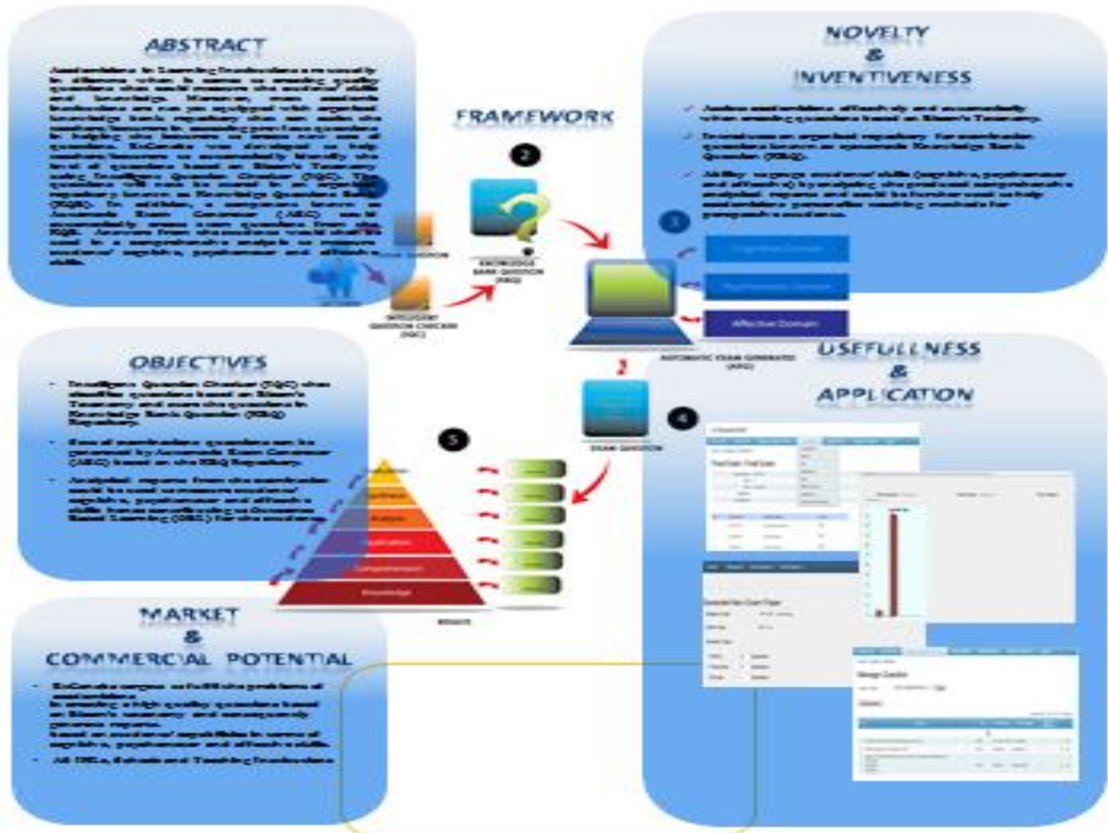
"Intelligence Question Checker (IOC)"

"Knowledge Bank Repository (KBR)"



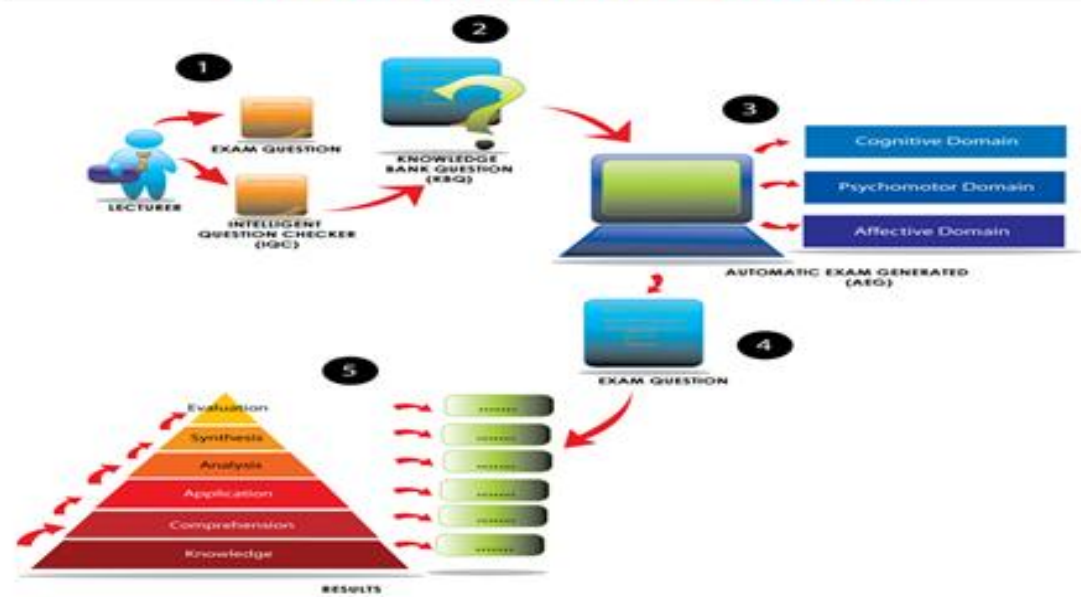
ExGenoba System

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 Ahmad Nizam D. Mohd Nawa, Inna Sharyana St. Sarnaden



ExGenoba Intelligent Exam Management System for Outcome Based Education (OBE)

NOVELTY & INVENTIVENESS: SOLUTION/ FRAMEWORK





USEFULLNESS & APPLICATION : KEY COMPONENTS

Intelligence Question Checker (IQC)



Knowledge Bank Questions (KBO)



Automatic Exam Generator (AEG)



Comprehensive Students' Result Analysis



Advance Record Management



MARKET & COMMERCIAL POTENTIAL



Institute of Higher Learning (Universities & Private Colleges)



School (Primary & Secondary)



BAHAGIAN MATRIKULASI



"achievement of good analysis is dependent on GOOD INPUT"

Towards the **transformations** of Malaysian Academic Education System