

INSTRUCTIONS

Covid-19 pandemic has changed the way we live and learn, however, on other hand has presented new methods of teaching and learning. Many universities adopted online teaching and remote assessment. The need for web based assessment systems that caters for not only teaching and learning but also new challenges as may be posed by remote assessment, is vital important.

A system is required that will allow the students to take true or false and multiple choice questions.

System Functionalities

The system should perform the following functions:

- ✓ Students and Lecturer should be able to login on the system, and should have access to different screens. No student that is not registered on the system should be able to take a test.
- ✓ A lecturer should be able to set a multiple choice and true or false test.
- ✓ The students should be able to take a test at the set date and time. The duration of the test must be clear to the student or must be displayed as the student is writing, decreasing as time is decreasing.
- ✓ The test should be automatically be submitted when the time lapses.
- ✓ A lecturer should be able to view student's grades.
- ✓ A Lecturer should be able to download students grades in excel
- ✓ The students should be able to view the correct or incorrect answers if a Lecturer has granted that permission.
- ✓ A system should allow a Lecturer to set more than one test (e.g. test1, test2 etc.)

Technical Specifications.

- NetBeans IDE must be used.
- Multiple forms are recommended with on main/parent form.
- MySql database should be used.
- Web based application is recommended, however, windows application will be marked, with additional marks for web application.
- Data structures, classes, and inheritance application is a must.

