Verdgem Quiz

Teacher’s Guide

About VerdGem

VerdGem is an Education Technology venture on a mission to raise education standards across the Caribbean. Our focus is on delivering creative, regionally relevant, and multimodal learning tools designed specifically for Caribbean students.

Our Mission is to develop high-quality learning tools accessible to every Caribbean student. We believe education should be exciting, inclusive, and rooted in the realities of our region. VerdGem aims to complement traditional education by offering tools that adapt to each student's pace and learning style.

Our two flagship products are an AI-powered quiz platform and an on-demand video platform, both tailored to provide students with different modes of learning.

Our AI-Powered Quiz Platform

The VerdGem Quiz Platform is a modern, web-based application designed to help students prepare for CSEC exams through interactive, personalised, and engaging practice. Built with both learners and educators in mind, our platform has a number of benefits:

For Students: Builds exam confidence, encourages consistent practice, and rewards progress through interactive elements.

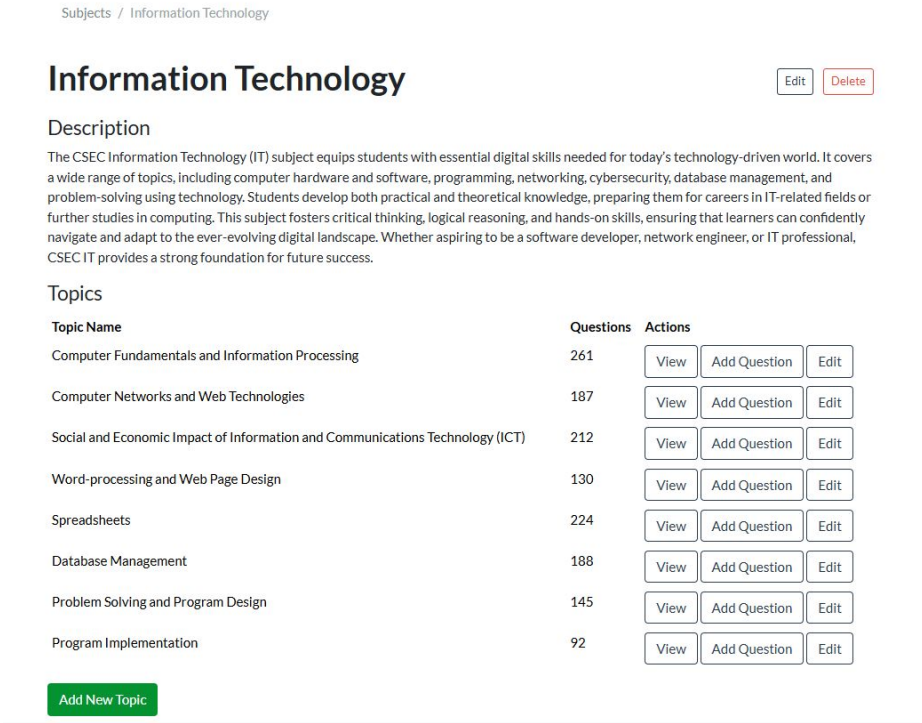
For Teachers: Offers insights into student performance, allows for early intervention, and supports lesson planning with data. Also gives teachers a chance to tests students' knowledge in an engaging and interactive way.

For Schools: Enables evidence-based decision-making and supplements traditional teaching methods with minimal setup or cost.

Adding Topics and Subtopics

The first order of business is adding topics for your assigned subject. These topics will correlate to the different sections of the CSEC syllabus.

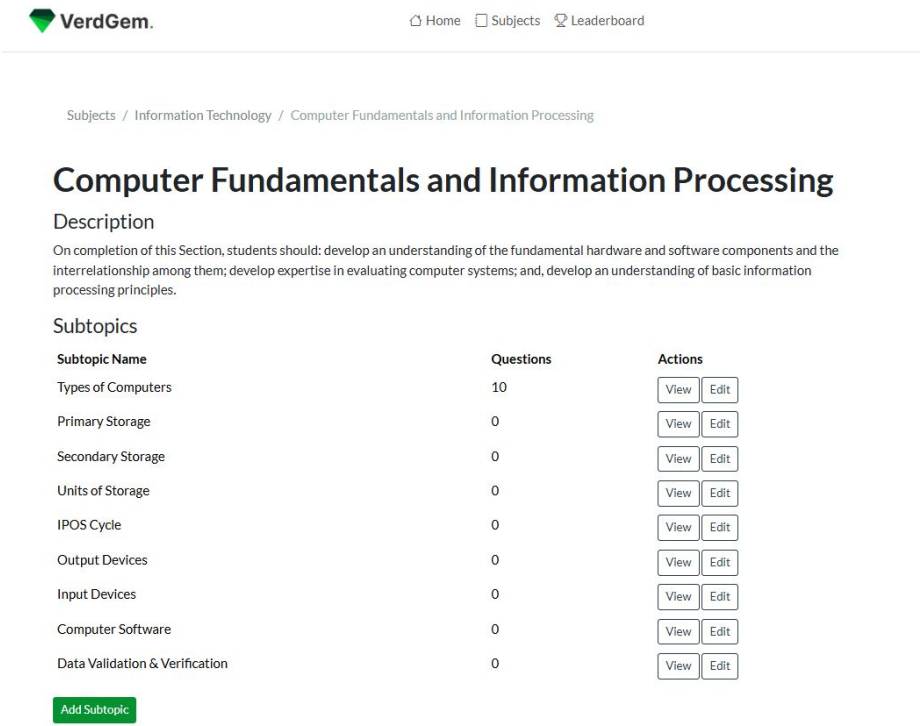
You can add topics from the Subject page or Topics page.



Adding Topics and Subtopics

The next step is to divide your topics into subtopics. Subtopics allow students to access questions on a specific subtopic within the different sections of the syllabus. For example Wireless Network Technologies can be a subtopic of the Information Technology section Computer Networks and Web Technologies.

You can add subtopics from the page of a selected Topic.

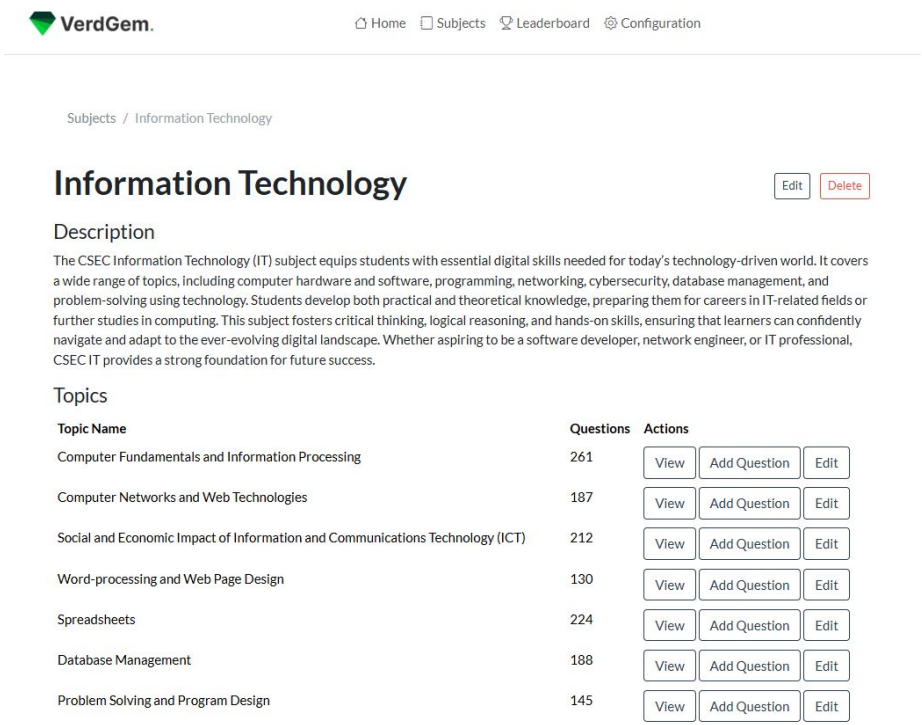


Adding Questions

Questions can be added from Subject, Topic, and Subtopic pages.

When adding questions there are a number of important fields to be filled:

- **Question Type:** Whether the question is multiple choice or long answer format
- **Subtopic:** The subtopic that the question should be grouped under. Questions can belong to multiple subtopics
- **Question:** This is the question that will be displayed to students to answer
- **Question Image:** An optional image that can be used as illustrations, diagrams, etc for questions
- **Difficulty Level:** Assigns a difficulty to the question as well as the number of marks for the question. Easy: 1 mark, Medium: 3 marks, Hard: 5 marks. Multiple choice questions are always set to easy.



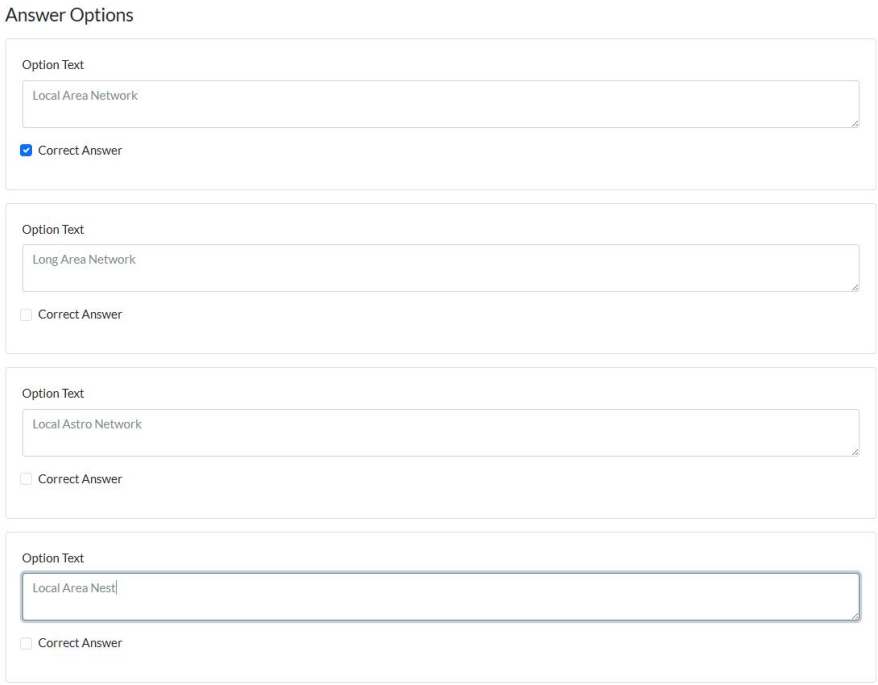
Adding Questions

Multiple Choice Fields

- **Answer Options:** The answer options available to students for multiple choice questions.

Long Answer Fields

- **Model Answer:** An example of an answer students are expected to give for the specified question. This field is very important as it is used by the system to grade student answers.
- **Key Concepts:** Key concepts that the question covers
- **Marking Criteria:** This tells the system how to grade the student's answer. The total of all criteria must always equal the number of marks assigned to the question.



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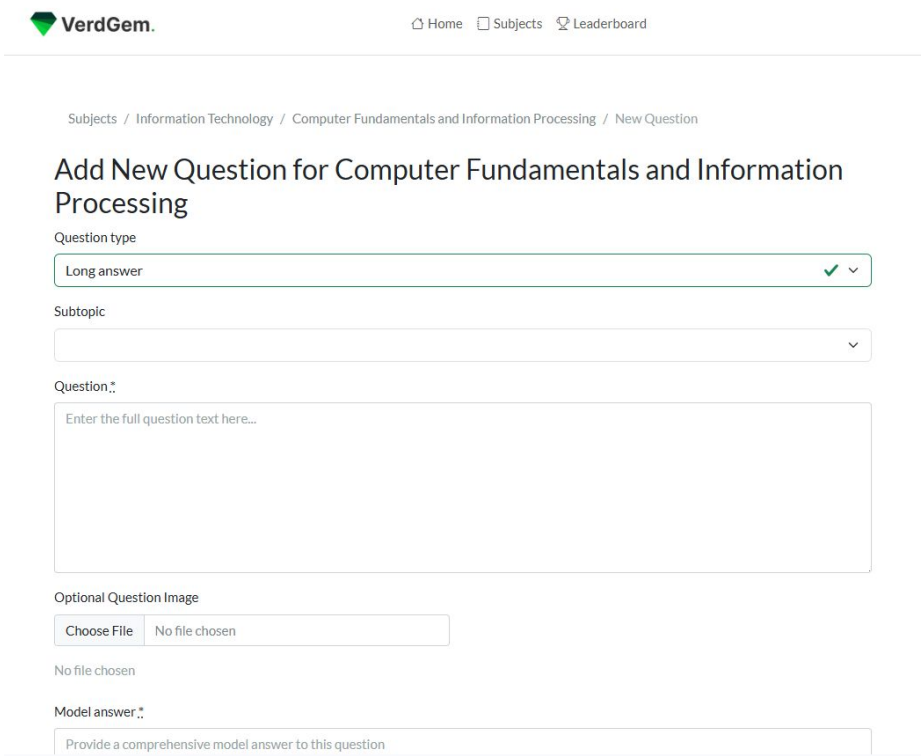

How Quiz Grading Works

When students submit an answer our AI system checks their answer against the question marking criteria. The AI system also looks at the model answer to see what an appropriate answer should look like. The model answer also lets the system know how in depth the student should answer the question.

When giving feedback the AI system lets students know what they did well, as well as areas they could improve in. A final score is also given based on their performance against the marking criteria.