# **Business Case Document**

# Infinite Question Creator Plugin

Overview   
The proposed solution is an AI-powered “Infinite Question Creator” plugin designed for a learning assistant system. It enables educators, especially those working with non-profit organizations, to instantly generate topic-specific questions along with answer keys. This reduces the manual effort currently required for question paper and practice material creation.

Problem Statement

Teachers and mentors in education-focused non-profits spend a significant portion of their time crafting questions for student assessments, quizzes, and practice exercises. This task is repetitive, time-consuming, and reduces the time available for personalized teaching. Non-profits, already operating under constrained budgets, face further challenges because they cannot always afford to hire additional teachers or content creators.

Proposed Solution

The Infinite Question Creator plugin leverages large language models (LLMs) to automatically generate large sets of relevant, accurate, and structured questions tailored to specific topics. Key features:

* Teachers enter a topic or concept.
* The plugin generates multiple variations of questions instantly.
* Answer keys are generated alongside, reducing checking overhead.
* Customization options for difficulty level, type of questions (MCQs, short answers, long answers, etc.).

Benefits

* Time Savings: Reduces teacher workload in question creation by up to 80%.
* Cost Efficiency: Helps non-profits reduce dependency on additional staff or content providers.
* Scalability: Enables the creation of unlimited question banks across subjects and grades.
* Consistency: Ensures question quality and coverage of concepts with minimal duplication of effort.
* Accessibility: Makes high-quality educational resources available to underfunded schools and organizations.

Impact on Non-Profits

By integrating this module into their educational tools, non-profits can:

* Focus teacher efforts on direct student engagement rather than repetitive administrative work.
* Expand reach to a larger pool of learners without proportional increase in costs.
* Improve learner outcomes through more frequent practice and evaluation materials.

Competitive Advantage

Compared to traditional manual methods of question creation or static pre-designed question banks, this solution offers instant, customizable, and adaptive question generation, giving non-profits a distinct edge in delivering effective education at scale.

Conclusion

The Infinite Question Creator plugin addresses a critical pain point for non-profit education providers by automating a labour-intensive but essential task. Through significant time and cost savings, this solution empowers non-profits to achieve greater impact with limited resources, making quality learning more accessible and scalable.