Ilham; From Curiosity to Discovery: Bridging Real-World Science and Competitive Growth to Maximize Student's Potential

Authors : Aisy Iman bin Khairul Azman, Batrisyia Raihanah binti Syarel, Muhamad Hairizan bin Bakar, Muhammad Adiputra bin Jafri, Nur Hidayah binti Jasmin

Abstract : In this modernised era, the use of technology is vital for everyone as it undoubtedly eases daily lives. However, the introduction of technology has caused many students to lose interest in difficult subjects such as science and mathematics because they cannot fully apply them in real life. Subsequently, they tend to take advantage of technology in pursuing their careers as a result of unnecessary internet exposure. As a counteract, the government has introduced STREAM education for those under the age of 7. Following this initiative, a rise towards interest in science is made visible, though not as significant as aimed. Therefore, this research is constructed to provide an improved alternative by merging technology and education so that youngsters can fall in love with science. It helps bring out the true potential of the kids while encouraging them to gain knowledge through a gamified education system. ILHAM is an app that segregates students into groups according to their class. Every 2 weeks, students are compelled to send pictures of their scientific wonders from their surroundings into files aligned to the topics in their syllabus. The score is evaluated by two aspects: the quality of the questions and the involvement of students in answering their peer's questions. The marking guide for quality is branched into three aspects, that is, engagement, originality and complexity. In terms of the students' involvement, they were evaluated by the quantity and quality of the questions. Students are given 2 weeks to upload and answer questions. All students from the class are open to answering the questions by sending the answers to a designated file. Teachers in a diverse community will evaluate the answers through active discussion and the help of artificial intelligence to count the marks of each student. At the end of the 2 weeks, points will be accumulated and recorded for annual collection. Students will be given points that will be recorded and are crucial for their secondary school admission. Fast forward, they may receive respective certificates of achievement based on points they have collected throughout the year, which assists in secondary school admission to spark student's interest in the science field whilst improving the admissions of the nation's prestigious school. Through ILHAM, students are able to understand events around them with scientific theories. Hence, students tend to question more about the world, subsequently creating higher-level thinkers. Other than that, students will be aware that they can learn by just being present, such as sitting next to a fan and wondering how it blows air. Students strive for knowledge from a young age, producing critical thinkers that innovate the world further. Moreover, students will achieve higher grades in school as they wonder about scientific topics whilst trying to master them through the existence of ILHAM. Lastly, this app allows scientists from around the globe to discuss and generate new ideas that might change the world.

Keywords : admission, alternative, artificial intelligence, curious, gamified, interest, points, potential, scientific wonders