Title: The mobile application: Scientific backpacker

Brief and achievements (about the project): with illustration

The problem was that students had alternative perceptions of some natural tourist sites in the Sultanate of Oman, and that their tendencies towards natural tourist sites were weak. For example:

Students find it difficult to believe that there is volcanic activity in Wadi alJizzi mountains, although it includes the formation of Pillow Lava

Students also believe that there can be no giraffes who have lived in in the past, in Dibba, nor dinosaurs who have lived in the village of Al-Khoud.

Some students
believe that rock
formations in the
rock garden in
Duqm were
carved by the
ancient Omani
man thousands of
years ago

They believe that pink lakes in Al-Jazir State have gained this color because of the presence of a pink pigment in the water.

Many students believe that the location (Star Fall) in **Qurayyat** was caused by the fall of a star or a meteorite.











The solution: Designing a phone application based on a gamification approach, which aims to provide students with scientific concepts related to natural tourist sites, in addition to correcting misconceptions about some of these sites. It also aims to develop positive attitudes towards this site, (Scientific Backpacker)

The gamification approach is intended to use gaming elements such as (points, honors, badges, etc.) in areas unrelated to play.

The application designed creatively and consists of many sections.

Explorer.
Displays
simplified
information
about the most
important
natural sites in
an interesting
way

Ready: displays
a range of
multiple
selection style
questions,
measuring the
utilization of the
explorer section

Existing: This section allows students to interact by uploading photos of the natural tourist sites they visited, and can get the interaction by pressing the like button from the rest of the students.

In the lead: represents the leaderboard Section where the student moves from a level to a higher level (e.g. from Al-Sawadi Beach to the Green Mountain if 100 points are completed).













QR code (for more information):



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