

Problem-Solving Methods

Introduction:

Problem-based learning (PBL) is a teaching method that involves students working together to solve open-ended real-world problems. The goal of PBL is to help students develop skills like critical thinking, communication, and collaboration, while also learning concepts and principles.

Problem Solving strategy:

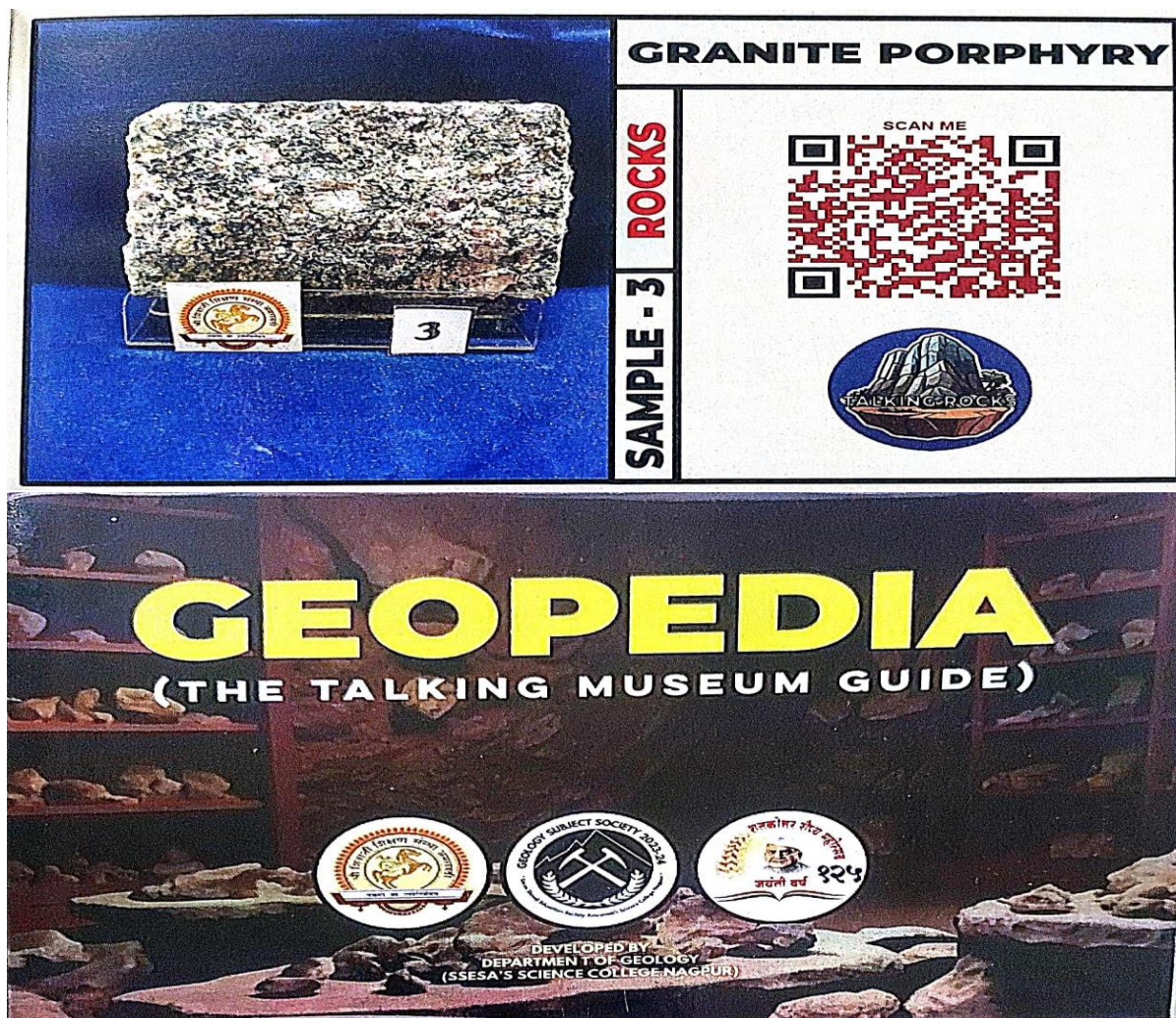
Many students face challenges in the identification of physical properties of different minerals and rocks in the field and laboratory as well this can be solved by the help of following application.



Demonstration of QR Code and App to the Principal & staff by the student.

Development of a Talking Rock Application:

The smartphone application, developed by the B. Sc. Geology and BCA students, under the guidance of faculty members, is compatible with any device and allows users to scan QR codes attached to rock specimens. Upon scanning, the app provides comprehensive information about the rocks, making it seem like they are communicating with the users.



Outcome:

Such projects enhance educational experiences and foster creativity among the students. The talking rock application not only makes geology education more engaging but also provides students with the tools to solve complex problems across all educational domains. By integrating properties with learning, Mr. Mahesh D. Phalke and Co. has created a powerful web application for transforming geology education, making it accessible, enjoyable, and effective for everyone in the field as well as in the laboratory.