

Application of Technology in Pedagogy: Usage of QR Code enabled Curriculum for Mobile based Teaching

Summary:

In order enable technology embedded teaching systems to improve teaching efficiency and to improve learning experience for students in Government Schools in Maharashtra, Balbharti, the Maharashtra State Bureau of Textbook Production and Curriculum Research developed the innovative e-Balbharti application which can be accessed through a QR code in the textbooks

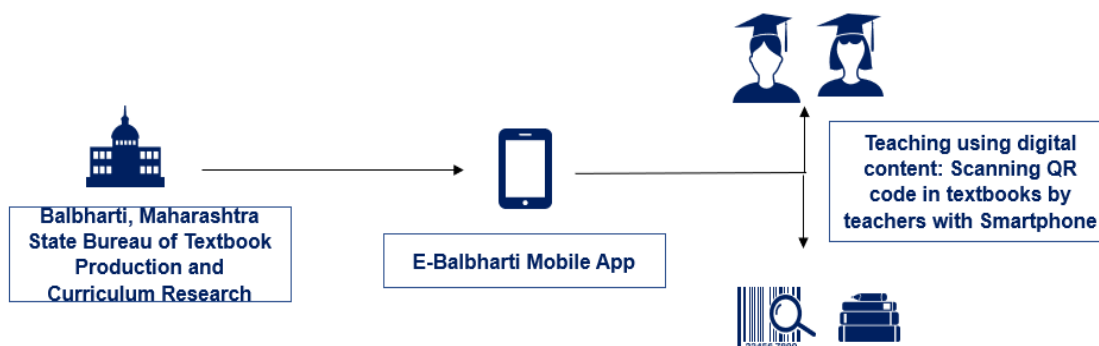
Objectives and Rationale:

The objective of the initiative was to improve the overall learning experience of students in government schools by supporting technology enabled pedagogy. The e-Balbharti App is a mobile application containing a repository of digital content including e-content, e-textbooks, puzzles, games, etc. that can be used by teachers who have smartphones

Key Stakeholders:

The initiative was implemented by Balbharti, the Maharashtra State Bureau of Textbook Production and Curriculum Research, with the support of government schoolteachers across various districts.

Implementation Strategy: The implementation strategy is as follows:



Resource Utilization:

The application was developed in house with minimal financial resource utilization, with primary investment being incurred on the mobile application development.

Impact:

The application witnessed nearly 24,000 downloads within 3 months, at over 150 downloads every day.

Key Challenges and Lessons Learnt:

A critical challenge foreseen was availability of smartphones with teachers. However, the overall initiative experienced widespread acceptance amongst students and teachers

Replicability and Sustainability:

While the initiative was initially introduced for class 8, it was progressively scaled to include classes from 1 to 8.