

IMPROVISING TEACHING AND LEARNING CONCEPTS TO EDUCATE CHILDREN AT VILLAGE SIDE VIA ONLINE LEARNING

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ABSTRACT: Owing to the pandemic, schools all around the world respond to the new normal and the need for remote learning tools has never been more urgent. The proposed idea is to create an online learning application for village students, thus providing remote learning and also providing 'class-room' like environment. The application will have learning contents to the students at free of cost. Students can either use the application without logging in and gain access to limited number of courses/subjects or they can sign up and gain access to all course videos at free of cost. This application consists of discussion forum so students can post their queries or doubts relating to a particular subject and the experts would reply to the queries as soon as possible, thus creating a virtual classroom. Feedback form and contact form sections would be provided so that students can reach out anytime and can also give suggestions regarding the improvement and quality of courses. There is an additional section consisting of blogs, ranging from business to technology and covering interpersonal skills so students can come to know about the recent trends of technology as well as gain knowledge. A dashboard will be maintained once the student signs up and logins. Additionally, games section will be provided so that students can learn by playing simple games and also provide mind sharpening games like sudoku etc. Data storing, updating and data management is done from the admin side(backend).

TECHNOLOGY STACK:

- React/Angular for Front-End development.
- Mongo DB for data base management system.
- Node JS for back end
- Bootstrap for UI/UX