



Xplorce

Team : Py4ce



Susmit Vengurlekar



Darshan Gawade



Ishan Vatsaraj



Ketan Patil

Challenge Domain

Education

Challenges Tackled

1. Transforming learning into Amazing e-learning Experiences.
2. Lack Of Learner Motivation And Engagement.
3. Staying Up-To-Date With Modern Tech.
4. Measurable learning outcomes.
5. Adaptive learner models to accommodate different learner needs.



Proposed Solution

- An app which provides study material on the basis of “Student Learner Type” determined by the “VARK Questionnaire”
- The learning material will be provided from popular websites like Youtube, Wikipedia, etc.
- After the student refers the learning material, he/she can assess his learning on an auto generated quiz on that material.
- All the scores, number of search results, and performance improvement will be shown on a dashboard.
- Learner can explore all the latest technological trends using the app.
- This app will cater different learner needs and will help self-learners and homeschoolers.



Unique Features

- Centralized learning platform.
- Top suitable learning materials.
- Auto quiz generation from videos, text material.
- Assessment for evaluating learner performance.



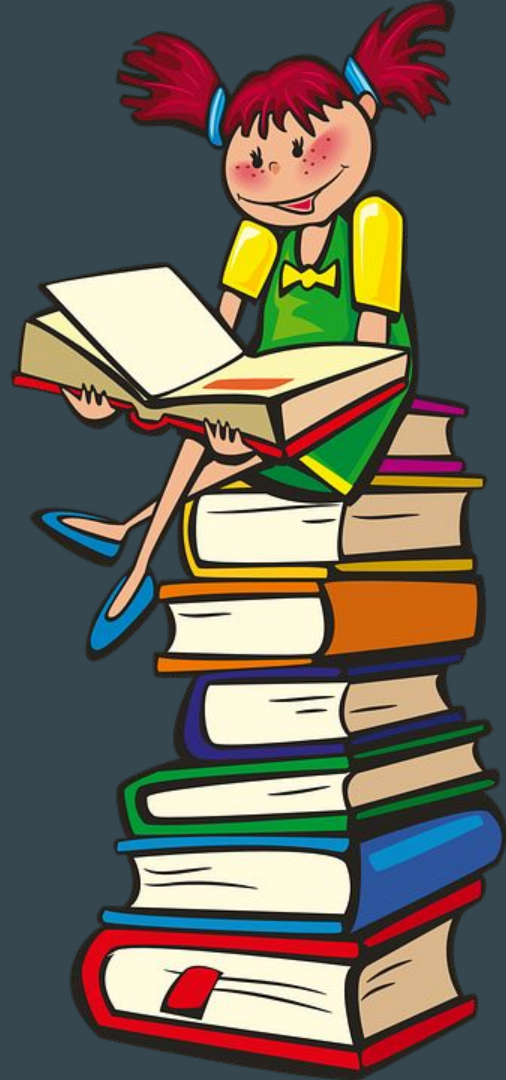
Advantages

- Study material on the basis of learner type.
- Searching a query shows also shows top related searches to motivate and engage learner to dive deep into the topic.
- Automated quiz generation on studied topics from websites, videos, articles, etc.
- Automated quiz evaluation and score generation.
- Dashboard to show performance improvement, study material completed, number of searches.
- Centralized effective learning platform.



Tech Stack

- Python
- HTML5
- CSS3
- Javascript



Future Scope

- The performance of the app can further be enhanced by creating a consortium of institutions and learning platforms.
- The search results can further be enhanced after collecting a feedback from learners about relevance of search results.
- The quiz can be made more effective by using “Computerized Adaptive Testing”.

