Product’s name: *iPrep Digital Class Mathematics*
Grade ranges evaluated: Grades 1-2, 3-5, 6-8, 9-10
Date of evaluation: *Evaluated by the Tulna team, July 2021*

**Product Context**

Today, iPrep Digital Class offers a comprehensive & easy to use Digital Classroom solution with rich content for all subjects from 1\textsuperscript{st} to 12\textsuperscript{th} in both English and Hindi medium as per NCERT and customized for State Boards.

The solution has been deployed through various Govt projects & CSR/NGO projects in Govt Schools across 16 states in India.

Current Product Features of iPrep Digital Class are:

1. Comprehensive Digital content including animated video lessons, practice, tests, DIY activities and digital books for all classes 1\textsuperscript{st} to 12\textsuperscript{th} for all major subjects
2. Works both Offline & Online to ensure no internet dependence & Learning Access in all situations
3. Works on both Android & Windows Operating systems in all types of Digital Classroom Hardware including Smart TVs, Interactive Flat Panels, Projectors with Interactive Boards, Tablets, Laptops & PCs
4. Captures Offline Usage Reports and Auto Syncs to a multi user, central project dashboard for tiered access to usage and learning outcomes analytics for accountability & Impact
5. Ability to customize and include Digital Content from Teachers, Department, NGOs and other Content providers as per the requirements of the envisioned DCR project
6. Ability to integrate Classroom learning and in-home learning through offline/online access with reporting connect to the teachers

The user interface and design of iPrep Digital Class has been upgraded recently after the Tulna evaluation, with enhanced ease of use and further application of universal design principles. The upgrade interface is now available on the shared product link.

**Product Enhancement Roadmap in line with Tulna Framework**

Enriched by the Tulna Evaluation/Guiding Framework and our experience of developing iPrep PAL, we have chalked out a product enhancement roadmap and are now working to include the below mentioned features into iPrep Digital Class.

- **Introducing Scaffolding:**
  - In the Practice section, a hint to appear if the user is unable to answer a question in 15 seconds. Users can click on the hint button and use it to attempt the question correctly. The platform shall record that the user has taken a hint to solve the problem and hence present another question before moving the user to the next understanding level
• **Building Interactivity & enabling user motivation**
  
  o For a first time user, onboarding instructions in very simple language to be provided to build familiarity and ensure ease of usage

  o At every step in the application, pop up based prompts to be incorporated which inform the user of their current position in the learning journey and then encourage them to follow a guided path to achieve 100% mastery on a topic

• **Significant improvement in feedback quality**: Two types of feedback to be provided to the user:

  o Text based which instead of suggesting the right answer, help the user understand what approach should be taken to attempt the problem

  o A remedial video which the user can watch to brush up any learning gaps observed while attempting the question

  o If a user skips a practice question, user to get a prompt suggesting to watch the conceptual video before proceeding ahead

• **Teacher’s support for out of class activities**: For Teacher use, a dedicated Coach App in connection with iPrep Digital Class to be released, where teachers can:

  o Create virtual batches and add their students

  o Assign videos, books or practice to supplement their teaching

  o See student wise reports

  o Resolve their doubts and guide them via chat

• **Improved analytics to track learner’s progress**:

  o On the reporting dashboards, following reports to be available both offline & online:

    ▪ User’s Learning journey for each piece of content whether video, books, practice, with date, time of usage & learning outcomes

    ▪ Auto Syncing of usage reports to the teacher’s Coach App and also to the central reporting dashboard for all stakeholders and ongoing analytics

**Opportunities for Collaboration**: The DIY project videos have been specially designed for teachers to get together with the students and create projects and models to build practical understanding about the concepts. Teachers can organise Toy Days where groups of students get together with a mentor, refer to these project videos and collaborate to build models and projects. Post completion of the activity, students can make a presentation on what they have build and what concept does it use, while being reviewed by the teacher

**Improving Learning Navigation & Pace**: 
• In Practice, a skip option to be added. Further every time a user skips a question, the platform gives students an option to watch the remedial video and then proceed

**Building logical connectedness ensuring complete understanding of a topic:**

• All formats of digital content including video lessons, practice, diagnostic & review tests, DIY activities and books to be linked through learning paths usable as per the learning journey and objectives of the user, whether a teacher or a student

The Tulna initiative is poised to become an empowering platform for structured product development, review, evaluation and improvement with a focus on achieving universal learning access in K-12. At iDream Education, we shall stay committed to the purpose, keep learning and work in sync with Tulna to best serve the last mile learners and Govt schools with learning, inclusion and all-round growth.