

Online Labs (OLabs) for School Lab experiments

Online Labs (OLabs) is based on the idea that lab experiments can be taught over the Internet, more efficiently and less expensively. OLabs provides students with the ease and convenience of conducting experiments and learning activities over the Internet. It has been developed to supplement the traditional physical labs and bridge the constraints of time and geographical distances. This not only reduces the costs incurred for conducting experiments in traditional school laboratories but also gives a student the flexibility to explore and repeat experiments till they are thorough.

Salient Features

- Web based access
- Experiments and evaluation component aligned to CBSE curriculum
- Interactive Simulations which model real life environment and behavior
- Intuitive feedback and guidance at relevant places.
- DVD version available on request

Classes and Subjects

- Physics, Chemistry, Biology Labs for Class IX, X, XI and XII
- English and Maths interactive activities Class IX-X

The online labs are hosted at www.olabs.edu.in. Access to Online Labs is free for Schools.



www.olabs.edu.in

Benefits to Schools

- Enhanced learning experience for students on related topics
- Ability to conduct lab experiments multiple times in classroom and elsewhere with no overhead on setup, materials, etc.
- Better utilisation of the lab hours.

eBasta – School Books to eBooks

In line with the government's Digital India initiative, eBasta project provides a framework to make the school books accessible in digital form as eBooks. The project is conceived to lessen the burden of school books to the student, enable the schools and teachers to overcome the logistical problems of book publishing, transport and delivery, especially at remote locations, and significantly shorten the cycle of book content editing/changes.

eBasta Portal

The web-based eBasta portal [<http://www.ebasta.in>] brings together three classes of stakeholders: the publishers, the schools, and the students, and provides them the following primary functionalities -

Students: Identify eBastas/eContents of interest and download

School/Teachers: Browse content, pick what suits, organise into bastas

Publishers: Upload & manage eContents in the portal

eBasta Mobile App

The eBasta App can access the basta created using the portal framework, and renders it for easy navigation by the student. The content rendered by the App is as defined by the teacher/school in the eBasta Structure, irrespective of filenames and the location of the actual files. The eBasta App, freely downloadable from the portal & Google playstore, runs on any Android Device. Application for other platforms will be released shortly.

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New Releases

www.ebasta.in

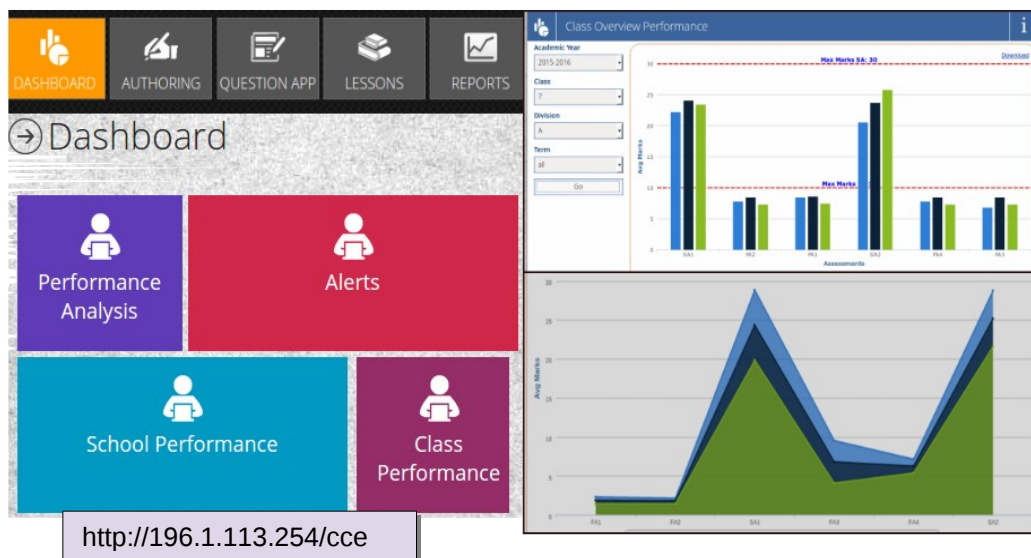
Benefit to Schools

- All textbooks and reference books on a tablet provide easy and anytime access, without the physical burden of carrying such books.
- Teachers can include multimedia resources also in the basta.
- The bastas can be structured to reflect teachers' preferences.

Assessment and Monitoring Framework (AMF)

In our schools, to systematically collect detailed information of evaluation and assessments in a school environment, and producing useful analytics on the performance at student, class, teacher and school levels requires lots of manpower and time. In today's learning environment continuous, quick, effective, detailed feedback is the essential assessment requirements for learners to achieve their learning goals. Schools need effective system for managing their assessment process, assessment results and quality analysis to empower them for deciding future steps for overall improvement of teaching-learning process. Assessment and Monitoring Framework plays pivotal role to achieve these assessments requirement using Information Communication technologies.

AMF system helps teachers manage the complex assessment activities in schools. We are using the CCE scheme of CBSE (Central Board of Secondary Education) as base of the framework, but it is also adaptable for state boards. The framework comprises managing



<http://196.1.113.254/cce>

and summative assessments, calculating and storing student data like marks, grades and percentage for scholastic and co-scholastic areas. AMF framework analyzes the student's performance data and provides easy to understand visualizations giving students and teachers a complete picture of performance of one student or a class of students, need for improvement in performance of a particular student, alerts for sudden changes in performance, etc. These are helpful for the students since they get timely feedback and can work accordingly to improve the performance, as well as teachers and school management in monitoring the overall teaching-learning process and to identify the need for improvement.

Benefits to schools

- Single integrated platform for sharing and managing all assessment information
- Variety of reports at student, teacher and school level for information and decision making.
- Analyze performance of students, class, teachers and schools
- Alerts for teachers to filter out sudden changes in student performance