



CALMS

Features

213 Amritha Ville
Rajbhavan Road, Somajiguda
Hyderabad-500 082
Ph:+91-40-4003 8687
VOIP: +1-678-685-8678
email: info@cognolabs.com
<http://www.cognolabs.com>
<http://www.esmartlearning.com>

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What is **CALMS**

CALMS (Content Authoring and Learning Management System), is a world class integrated online learning environment that helps students, individuals and institutions in enhancing their knowledge, skills and learning abilities. The experience and the research knowledge of eminent professors, educators and practitioners from top institutions made CALMS stand unique among others.

With the integration of its academic, research and service related features; CALMS helps any institution to become a center of excellence.

CALMS offers its services mainly to the institutions that have training on regular basis and to the individual learners like students (for their regular courses), employees (for refreshing, enhancing and updating with new requirements) and knowledge seekers (to learn new information).

Institutions can be government and corporate organizations, universities, colleges and schools.



The CALMS engine integrates all the features of a learning system into eSL, starting from the basics to the most advanced CARE (Cognition Ability Recognition and Enhancement) technology.

Some of the features are

- Planning
- Tracking
- Learning style analysis
- Regression line analysis
- Attention level analysis

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CARE technology is Cognolabs' in the lab developed innovative research that helps CALMS record the attention levels of students while they are studying. Please visit our web site www.cognolabs.com for more details on this state of the art technology and other innovative tools developed in our laboratory.

Features of CALMS INSTITUTIONS

Content authoring

Reusable concepts

Concept as a basic learning unit has Subject àTopic àConcept structure. Subject matter experts (SMEs) prepare concepts which can be reused across courses.

- Concept slides can be designed quickly using page designer
- Flash like tools are not needed
- Concepts are attached with questions and resources
- Authoring made easy with reusable concepts
- Reduces course conversion costs
- On the fly knowledge base development
- Reusable Concepts means, Easy maintenance and Cost effective
- Content version control helps auditing
- Export/Import of concept structure
- Concept reports – most used by CC, most hits by learner, most complex

Resource management

Concept resources enhance the understanding of the concept and can be conveniently selected and attached to the concepts by the SMEs.

- Resources can be selected from variety of resource types
- Image types can be .jpg, .png
- Audio types can be .wav, .mp3
- Video types can be .mpeg, .avi, online Videos
- Animations by flash
- URLs
- Document types of .pdf, .doc

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Course management

Dynamic course development

Courses are structured as CourseàModuleàLesson and mapped to concepts by the course coordinator (CC). It is required only to map the course structure to the existing concept developed by SME to develop a new course.

- New course development in no time
- Compatible with entirely unknown future courses
- Mapping a concept brings all the resources and questions along with it
- Export/Import of courses for easy maintenance
- Automated course info
- Upload and download of study material, lesson summary, assignments and projects
- Course reports – Hot courses

Test management

Question management

Questions can be entered and attached to the concepts by the SME. Various types of question formats are possible. Available formats are multiple choice, Assertion: Reason type, Matching, True or False, Fill up the blank type.

- Every question tagged with complexity level
- Complexity level graded questing is possible
- Questions are attributed to support student analytics
- Import/Export of questions
- Assessments are automated from the pool of these questions
- Automation saves time in assessing and evaluating the tests
- Intelligent complexity adjustment
- Question reports – Toughest

Question paper setting

Course coordinator can prepare combination of question papers to test the students in various ways.

- Real time and full length exams can be developed
- Just select the type, complexity and number of questions in the mark up
- Combination of selections and multiple selections can be done

- System will generate the question paper as per the mark up
- Question papers are automated from the pool of question banks
- Automation saves time in evaluating the exams
- Paper setting is dynamic and secure
- Question papers can be set at concept, lesson, module or course level
- Assignments and projects can be uploaded
- Question paper reports – Toughest

Class management

Institute administrator will create classes and assigns students and faculty to track class progress and performance.

- Administer at class level
- Compare individual and class performances
- Enters internals and other class data
- Regression analysis
- Class room reports – Individual grades, class-wise grades

Content Review

SME created concepts are reviewed by the reviewer as part of workflow before it is published.

- Checks the correctness and validity of the content
- Workflow controls the publishing of the course

Administration

User management

New users, profiles and their activation, deactivation, password resetting are controlled.

Course publishing

Reviewed and approved courses, concepts and questions are published.

Logs and statistics

User and visitor activity, tracking can be analysed.

Planning

Lesson plans

Created by the course coordinator and can be used by faculty, parents and individuals as a guide to teach the lesson.

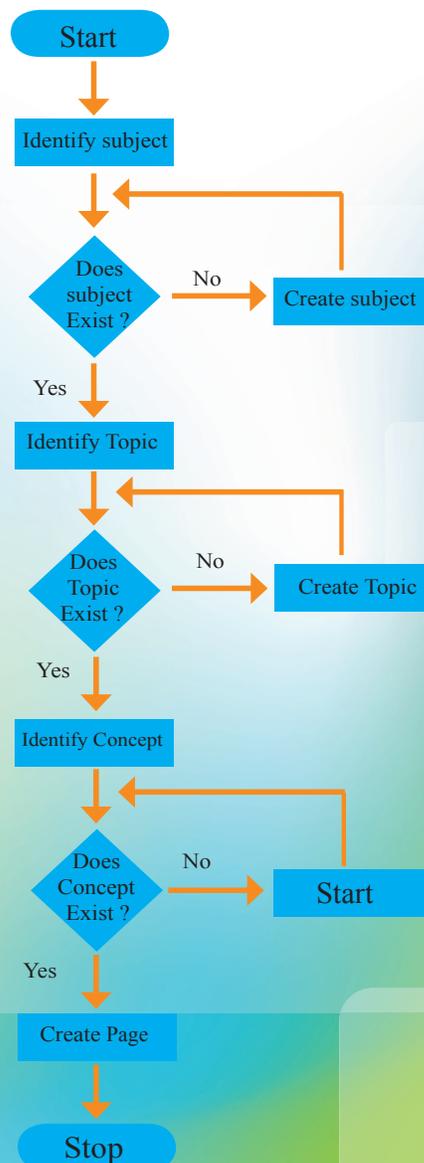
Activity plans

This is prepared by SME to support learners learning activity and to enhance his practical understanding of the concept.

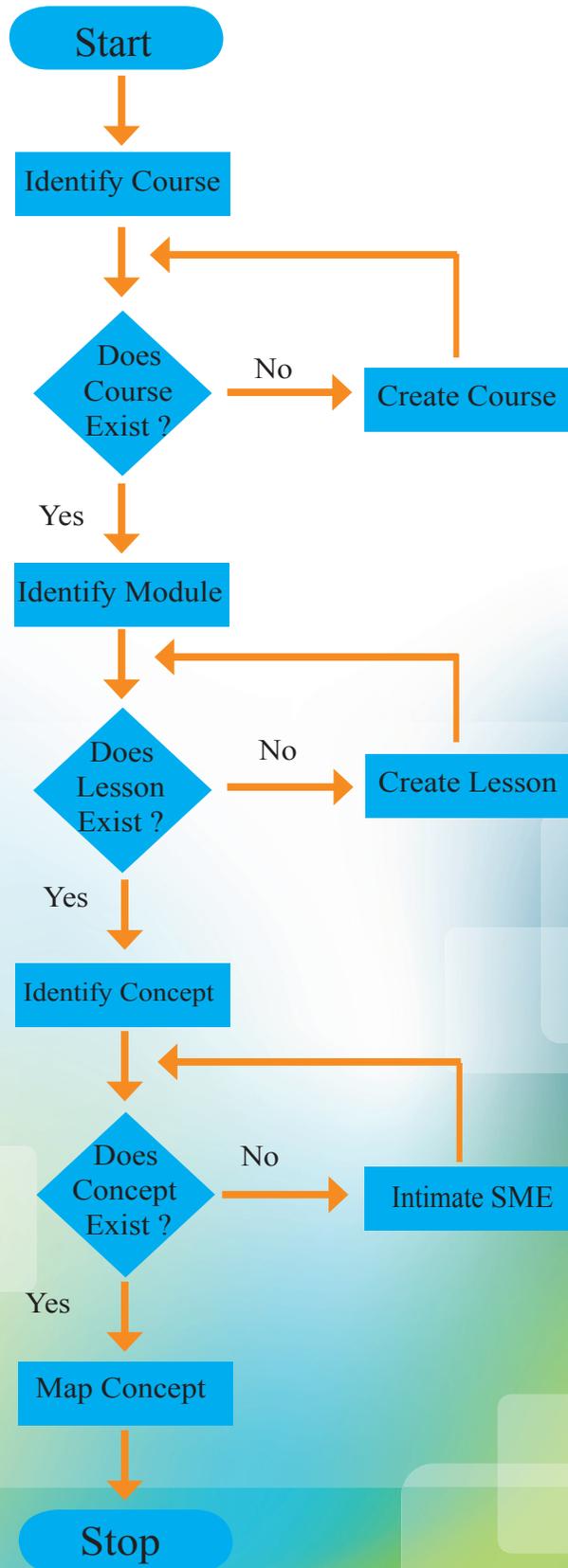
- Can be included in CCs lesson plan
- Can be reused
- Selection by search words

Workflows

Content authoring



Course management



Admission Management

Makes your admission management smooth, hassle free, paperless and optimize your admission process.

- Online Admission
- Online documents collection
- Online payments

Enrolment Management

Seamlessly manage your School, College, Universities, and Institution enrollment processes.

- Enroll status check
- Online verification of documents
- Online verification of payments
- Enroll or de-enroll user

Faculty Management

Allows you to maintain comprehensive faculty management information and caters all the needs of the faculty.

- Assign faculty to class room
- Monitoring class room
- Assignments
- Marks

Institutions Management

A user friendly web-based solution that embraces the various needs of managing the institutions and enables to meet all administrative and academic tasks.

- Create, Modify institutions
- Create institution logins
- Create institution admin
- Control institution users
- Generate institution statistics
- University analytics with institution

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Analytics and Business Intelligence

Analysis is made on various institute modules like concept development, course development and class room management based on data built up to support decisions to take.

- Analytics for strategy buildup
- Policy makeup
- Progress and performance updates
- Class room analytics
- Reports with filtering

Articles

Domain related articles for SMEs, Course coordinators and teachers can be managed to develop staff quality improvement programs.

- Domain related tips and techniques on dashboard
- RSS feeds to keep up to date knowledge

Dashboards

All users will have these dashboards when logged in to have a look at the status of their latest activities and quick reference links to review, learn and communicate.

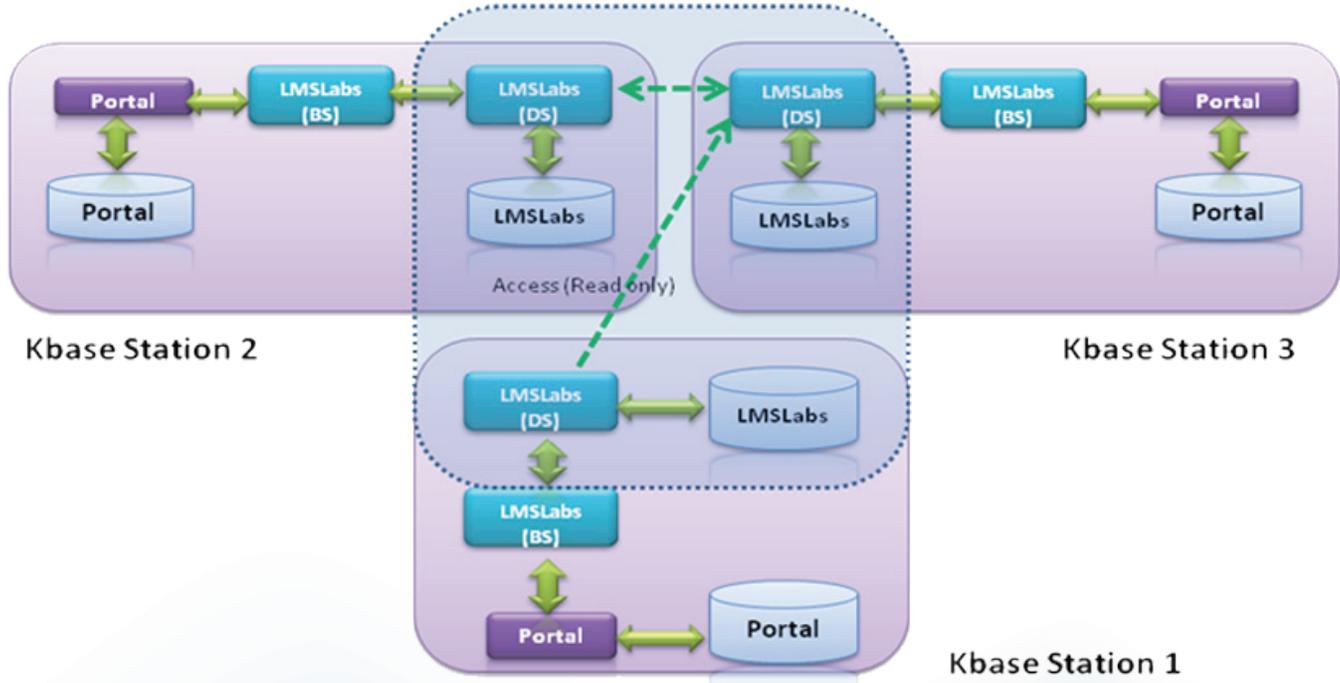
- Handy information at one place
- Quick summary
- Quick launch to applications

Security

CALMS application is a robust, comprehensive, and feature-rich technology tool. CALMS suite of security features protects your IP from tampering, reverse engineering, and counterfeiting.

- Highly secured environment
- Right clicks disabled to prevent users from copying content
- Print screen blocked to protect proprietary content
- All roles strictly through authentications
- All users can be controlled (blocked/unblocked, privilege limits) by admin
- Session time outs built in to protect unattended content exposure
- No cookies to respect client privacy

Extendable Knowledge Base



INDIVIDUAL LEARNERS

Planning and monitoring

Proper planning is a must for every project. Learning is not an exception. ESL has dedicated planning screens to recommend an appropriate initial plan for a course and supports students build up their own customized plans.

Personal course planner prepares a custom study plan.

Course Info

Courses can be browsed for the information on the course. Course information contains

- Course objectives
- Contents
- Requirements
- Feedback
- And much more details

Right matching courses can be identified before registration.

Scheduling

You can schedule a course that fits your needs and learning preferences. All you have to do is to give a start date, number of hours you can spare per day. Our intelligent system will come out with a detailed schedule to fit to your requirement.

- Number of hours recommended for study
- Number of hours for exams
- Concept, Lesson, Module and Course level exam selections
- Start date, end date
- Aimed percentage
- Alert selection

Messaging and Alerts

Planning education and having control over it is every learner's dream. CALMS help learners, teachers and parents in fulfilling the dream by providing alerts through SMS to abreast you on learner's development and activity. Learners get SMS on the time spent on learning, date and time scheduled for learning, for taking test, test scores, comprehensive report on performance, report on weak areas, corrective action and reminders for skipping the schedule.

Progress and performance is continuously tracked. Analyzed and updated reports are sent by SMS and/or email.

As you work more and more with the system, the built in algorithms analyze the learner's study patterns, strong and weak points and alert the learner for timely action through various reports.

Learning and Testing

Learning - as a quantitative increase in knowledge, is a basic need of human life since ages. The learning technology has been evolving to overcome the learning difficulties. CALMS integrated with its innovative CARE technology provides a solution to these learning difficulties to enhance the learning capability by means of scientifically proven brain and cognition methodologies.

Learning with CALMS is self-paced (learner can speed up or slow down as necessary), anytime (24X7) accessible, anywhere (from home or outside).

Understanding, Practicing and Testing are the key stages with **Recapitulation** as

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a continuous process. Research supported tips, tools, techniques and material are provided at each and every stage.

Understanding is through aids (media etc.); Assess through interactive tests; Practice through notes and assignments; Test through examinations; and Review is through summaries and flashcards.

Understanding

Concepts are made easy through interactive visualizations that make every concept clear

Learning Engine

- Integrated learning environment
- Self intuitive and media rich content pages
- Resources
- Wide variety of references

Multimedia Integration

Our courses are enriched with several multimedia components like text, audio, graphics, and animations to make learning a pleasant experience, easy to understand and remember.

Assessments

We not only provide a world class learning platform but also an environment to measure your learning and understanding. We provide testing tools and techniques like practices, assessments, quizzes, and online questions to give learner a holistic experience of learning.

- Assess through interactive tests
- Evaluates understanding
- Complexity level graded tests
- Assessments are automated from the pool of questions
- Automation saves time in assessing tests

Practice

Once the concept is understood thoroughly, it is time to practice the same for consolidating the understood concepts and quick reproducibility. eSI has several ways built in to the system to practice the concepts.

- Practice through study material
- Preparing online notes

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- Assignments
- Projects
- Exams

Tests

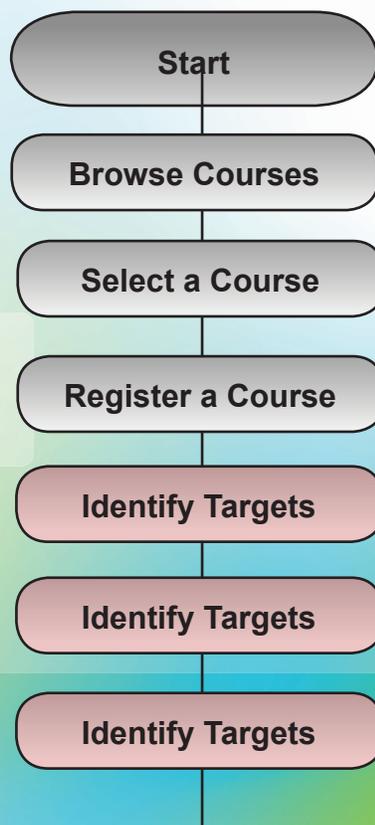
It is necessary to take the full length exams before the actual ones. These exams are similar to the actual ones and develop confidence in the learner

- Test through examinations
- Real time simulated Exams
- Question papers can be selected from concept, lesson, module or course level
- Assignments and projects can be downloaded and filled ones can be uploaded
- Question paper reports – Toughest

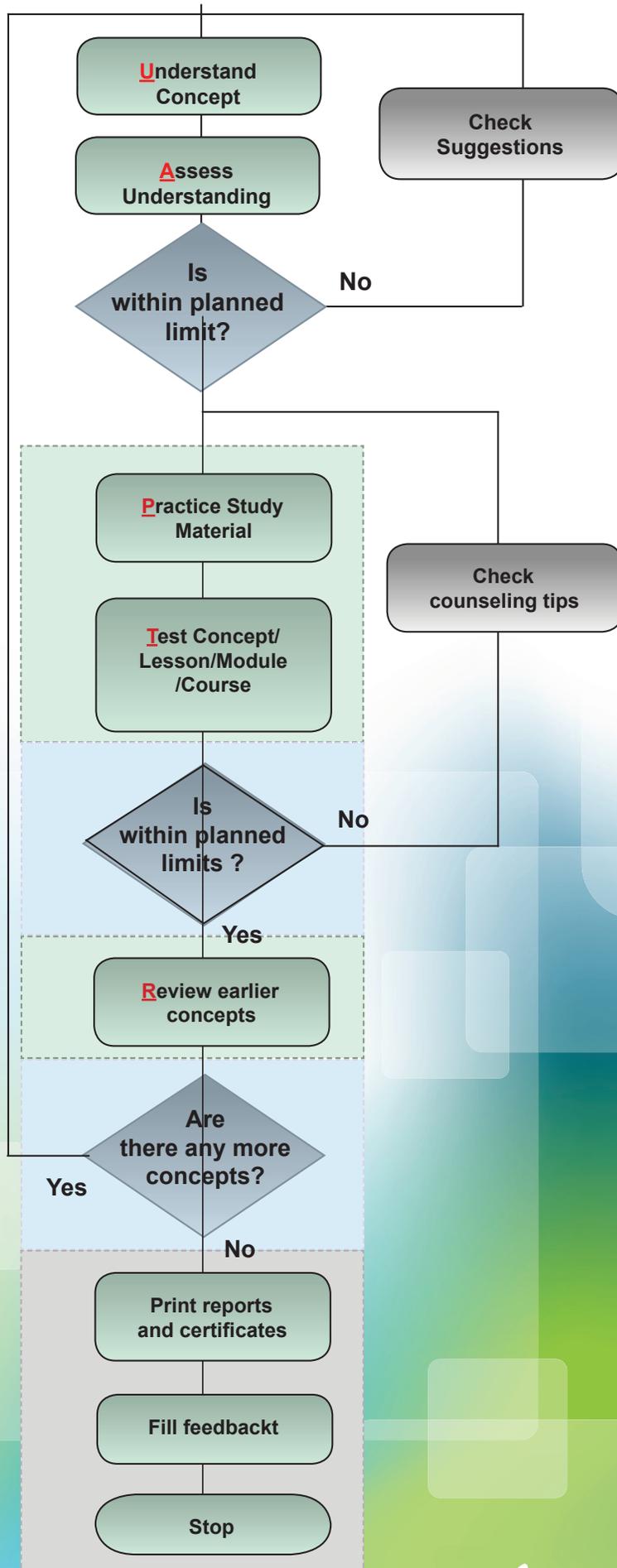
Review

To move the learned concepts to long term memory in our brain, one needs to review the concepts periodically. To aid this, eSL provides summary sheets, flash cards and other educational tools.

Learner workflow



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Make your own course

This is an exclusive feature to the users of CALMS to build their own course to match their requirements.

- Courses can be custom made
- Users can control the structure of the course
- Easy interface to design the course

Performance reviewing

CALMS learning platform provide tools to track, acknowledge progress and suggest how to enhance your learning ability.

- Progress and performance monitoring and updates through SMSs/eMails
- Progress and performance is regularly updated to the students and parents through emails and SMSs

Analytics

This neural network based system, by making effective decisions, provides learning analysis reports based on the built-in data and makes any learning environment intelligent. Our teaching experience and expertise in understanding the student psychology has come in handy in designing the course to make it easier for the learner.

- Strengths and weaknesses
- Reasons for weaknesses
- Psychometric analysis
- Learning style analysis
- Capability analysis

Counseling

Learners are analyzed using most advanced tools for their capability, performance and progress.

Weak concepts are identified, reasons analyzed and remedial programs recommended

Remedial programs

Suppose, if a student is analyzed that he is weak in fundamentals of a particular concept, a strengthening program for basics will be recommended as a remedial program. Similarly there are several reasons and possible remedies.

- Provides continuous feedback
- Early detections leads to early corrections
- Counseling for seamless improvement

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Collaboration

Research shows that student understanding and retention improves when they learn by experience. Technologies such as collaboration, interactivity and modeling will help students experience the skill while being taught.

- Share knowledge and clear concepts
- Chat and forums for peer networking

Support

Learners get help throughout their learning process with CALMS. CALMS makes knowledge seeker's learning experience, a pleasurable journey and a fun activity by providing help in all possible ways.

- Online help documents
- Demos
- Ask the expert
- Scheduled classes (For week concepts)
- Learning tips and RSS feeds

What is unique about CALMS

Our experience in education vertical, proven training methodology and the use of most advanced technology makes us different from others.

CALMS has the following very unique features:

- Structured methodology driven learning
- Course Planning and monitoring
- Capability analysis
- Capacity building
- Attention deficiency recognition
- Intelligent counseling
- Reusable content architecture
- Content authoring workflow
- Class room analytics
- Psychometric analysis and behavioral pattern based counseling
- Cognolabs powered CARE technology

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