LEARNING MANAGEMENT SYSTEMS

What is an LMS

A **learning management system** (**LMS**) is a software application for the administration, documentation, tracking, reporting, and delivery of educational courses, training programs, or learning and development programs. The learning management system concept emerged directly from e-Learning. Although the first LMS appeared in the higher education sector, the majority of the LMSs today focus on the corporate market. Learning Management Systems make up the largest segment of the learning system market. Learning management systems were designed to identify training and learning gaps, utilizing analytical data and reporting. LMSs are focused on online learning delivery but support a range of uses, acting as a platform for online content, including courses, both asynchronous based and synchronous based. An LMS may offer classroom management for instructor-led training or a flipped classroom, used in higher education, but not in the corporate space.

Advantages

There are six major advantages of LMS: interoperability, accessibility, reusability, durability, maintenance ability and adaptability, which in themselves constitute the concept of LMS.

Other advantages include:

- An LMS supports content in various formats: text, video, audio, etc.
- One can access materials anytime, from everywhere, teachers can modify the content, and students can see the updated material.
- The evaluation of students is easier and fair, based on student attendance and online quizzes.
- Students and teachers can re-use the material every time they need
- Students can learn collaboratively by setting up a School website with the LMS software and helps "**Keeps organizations up-to-date with compliance regulations.** If your organization must stay up-to-date with current **compliance regulations**, then a Learning Management System can be an invaluable tool. Compliance laws chance on a regular basis, and updating a traditional course to reflect these changes can be a time-consuming chore.

Disadvantages

Although there are many advantages of LMS, authors have identified some disadvantages of using this system.

- Implementing LMS requires a well-built technology infrastructure. Teachers have to be willing to adapt their curricula from face to face lectures to online lectures.
- Some organizations don't have the appropriate infrastructure to develop LMS, so it may be difficult for them to operate in this environment and adopt their curricula
- Some current research suggests that online teaching leads to an increase in teacher workload.

FEW LMS PROVIDERS

Google LMS, TalentLMS. Schoology. Docebo, Litmos **LMS**. Edmodo. Canvas **LMS**, Brightspace, iSpring **Learn** etc., are some of the best LMS providers.

Google Class Room

What Can Google Classroom Offer To The World Of eLearning?

Google is already a powerful design and development tool in eLearning thanks to **Google Applications** for Education. Now there is one more application to add to the line-up of invaluable productivity tools: Google Classroom. In this article, I'll discuss what **Google Classroom** can bring to the world of eLearning and highlight some of the benefits that eLearning professional can expect to receive by using Google Classroom as a free LMS.

Discover the best Synchronous Virtual Classroom LMSs

Google Classroom can be utilized by any eLearning professionals and online educators who have already created a Google Apps for Education account for free. In essence, Google Classroom is designed to give **online facilitators**, content creators and educators the ability to go paperless and centralize their eLearning materials in one **cloud-based** location.

Online facilitators and other eLearning professionals can create assignments within the application and distribute them to their learners online within a matter of seconds. The learners can then complete the assignments via **Google Docs** and submit them to their instructors with just the click of a mouse button. Online facilitators and learners can also save copies of documents that they create, then organize them in personalized Google Drive folders.

Google Classroom even features an assignments page, where students can view upcoming deadlines in order to stay on track. Likewise, online facilitators have the power to quickly and conveniently view who has completed each assignment and offer **constructive feedback** immediately. This allows students to get the support they need right away, so that they

can modify learning behaviors and receive the correct information they need to successfully move forward with the eLearning course.

Here are just a few of the ways that Google Classroom can be used as a free learning management system:

1. E-Learning professionals can deliver documents to their students directly, as well as distribute files to other online collaborators, such as eLearning content creators.

2. Online facilitators can share links to online resources, such as **videos**, articles and sites, which can serve as supplementary eLearning tools.

3. Data can be collected from online learners, making it easy to receive learner feedback and personal information that can be used to improve the overall eLearning experience.

4. Learners can provide feedback to their peers by commenting on assignments and **working collaboratively** on assignments. They can also work together or research tasks through the Google Classroom app.

Benefits of the Google Classroom as a Free LMS for eLearning

1. **Quick and convenient set up.**

    Rather than having to install an LMS locally or signing up for a **Learning Management System (LMS)** provider, online facilitators can simply access the Google Classroom app and begin sharing assignments and eLearning materials. They can do this by adding students or sharing a unique code that allows access to the class. Google Classroom is simple and straightforward to use, making it ideal for eLearning professionals of all experience levels.

2. **Time saving.**

    Virtual learners no longer have to download assignments and online facilitators can simply create and distribute documents to their learners online. They can also grade and provide feedback for all assignments and assessments using the Google Classroom app. As such, it has the potential to save a significant amount of **time** for both students and eLearning professionals. Everything is paperless, so there isn't any time wasted on physically distributing the documents and learners can complete them right online, making it more convenient to meet deadlines and fit eLearning into their daily schedules.

3. **Boosts collaboration and communication.**

    One of the most notable benefits of using Google Classroom as a free eLearning management system that it allows for streamlined online collaboration. Online facilitators can send notifications to their learners to start up an **online discussion** or notify them of important eLearning events. On the other hand, learners have the opportunity to provide feedback to their peers by posting directly to the Google Classroom discussion stream. Thus, if they need help with an assignment or want to learn more about a particular subject, they can get immediate support from their **virtual classmates**. Essentially, Google Classroom

boosts the **social learning** aspect of online education, enabling learners to benefit from the experience and skills of their peers.

4. **Centralized data storage.**

    With Google Classroom, everything is in one centralized location. Learners can view all of their assignments in a specific folder, instructors can store their eLearning materials and activities for the school year on the cloud and all grades can be viewed within the app. There's no need to worry about lost documents or missing assessments, because it's all in this free LMS.

5. **Rapid resource sharing.**

    Online facilitators and trainers have the power to share information and online resources with their learners instantly. Rather than having to update an eLearning course or sending individual emails to every student, they can simply access the Google Classroom app and distribute links to online resources and supplementary eLearning materials that can benefit their learners. This offers students the chance to get timely updates that pertain to the current **lesson**, so that they can better comprehend the subject matter and access **multimedia** tools that enhance their eLearning experience.

Google Learning Management Systems

    Students and staff members of our college using Google Classroom. Google Classroom can be utilized as a free learning management system with the help of free Google Apps for Education account. Google Classroom is a web service developed by Google for educational institutes to simplify creating, distributing and grading assignments in a paperless way. It is a part of Google Apps for Education—is a free suite of productivity tools that includes email, documents, and storage. Classroom was designed collaboratively with teachers to help them save time, keep classes organized, and improve communication with students.
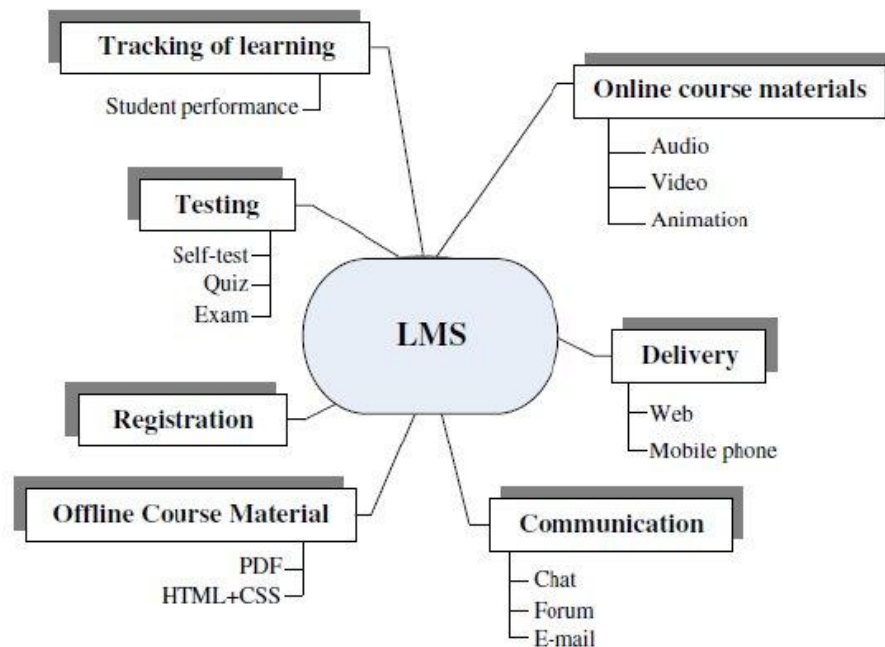
    All the students and staff of the college provided domain specific email ids to access the Google LMS. It also includes Drive, Docs, Sheets, Slides, Sites, Calendar and other Google App services with complete control over the administrator.

Overview

- About Classroom
- Understand Classroom Assignments
- Frequently Asked Questions

Using Classroom

- For Instructors
- For Students

Tracking of learning
Student performance

Online course materials
- Audio
- Video
- Animation

Testing
Self-test
Quiz
Exam

LMS

Delivery
- Web
- Mobile phone

Registration

Offline Course Material
PDF
HTML+CSS

Communication
- Chat
- Forum
- E-mail

Media Centre

As part of the IT initiative, our college was established Lecturer Capturing System for E-Content Development

The Centre facilitates the followings

- Recording Video lectures of the faculty members within and outside faculty members those who have professional teaching capabilities in their concerned subjects.
- Recording or capturing of various skills based foundation courses like Communication and Soft Skills with trained faculty and displayed them on our college website LMS Portal for repeated learning process.

Digital Classrooms

The digital classroom (also flipped classroom, blended learning and smart class room) refers to the "Technology-enabled" classroom where student learning and interaction with the instructor and peers is fully supported through strategic use of information and communication technologies (ICTs).

Smart Classroom Equipment is a solution designed to help teachers in meeting with new challenges and developing student's abilities and performance.

In our college, there are 3 three digital class rooms are available in all the three blocks. One in Arts Block Room No.31, one in Science Block Room No. 58 and another one is in PG Block Room No. 307.

Equipment available in DCs

S.No	Description	Number
1	Smart TV 65 Inches	1
2	Digital Podium	1
3	CPU	1
4	White Marker Board	4 x 8
5	Laptop	HP
6	Speaker Sets	2
7	Net dongles	1

Virtual Classrooms

Virtual classroom is a teaching and learning environment where participants can interact, communicate, view and discuss presentations, and engage with learning resources while working in groups, all in an online setting.The medium is often through a video conferencing application that allows multiple users to be connected at the same time through the Internet, which allows users from virtually anywhere to participate.

In our college, there are 5 (FIVE) Virtual Class Rooms are available in two blocks. Two are in Arts Block Room No.7 and 27, Three in Science Block Room No. 85, 86, and 94 & 95.

Equipment available in VCs

S.No	Description	Number
1	Screen Sharing LCD Projector	1
2	Audio Speakers	1
3	Computer System	1
4	Block Board	4 x 8
5	Mike caller	HP
6	Speaker Sets	2
7	1O Mbps Leased Line Net connection	1
8	Smart Camera	1
9	Life size cloud software	

i-AMS

We have 20 biometric IoT based capturing machines to capture the attendance through facial recognition or thumb impression. All of them are fixed at walls of central library in Arts block. The attendance of Staff and Students directly connected to the CORE dashboard of Chief Minister of A.P. Principal appointed a committee to monitor all activities concerned with i-AMS like Registration, Networking, complaints and daily monitoring etc.

DIGITAL INITIATIVES FOR HIGHER EDUCATION

SWAYAM	Government of India designed "SWAYAM" to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The aim of this attempt is to take the paramount teaching learning resources to all, including the neediest. SWAYAM seeks to link the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy. **For more information: Click Here**
SWAYAM Prabha DTH channels	The SWAYAM PRABHA is a group of 32 DTH channels dedicated to telecasting of high-quality educational programmes on 24X7 basis using the GSAT-15 satellite. Every day, there will be new content for at least 4 hours. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal. **For more information: Click Here**
National Digital Library	Ministry of Human Resource Development has initiated the National Digital Library of India (NDL India) pilot project to develop a framework of virtual repository of learning resources with a single-window search facility, under its National Mission on Education through Information and Communication Technology. NDL India is designed to hold content of any language and provides interface support for leading Indian languages (currently Hindi and Bengali). **For more information: Click Here**
National Academic Depository	**National Academic Depository (NAD)** is an initiative of Government of India, facilitated by MHRD. NAD is a national database set up to hold academic awards issued by Academic Institutions (AI) in an electronic form. **For more information: Click Here**
NPTEL India	NPTEL is an acronym for National Programme on Technology Enhanced Learning which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science. NPTEL as a project originated from many deliberations between IITs, Indian Institutes of Management (IIMs) and Carnegie Mellon University (CMU) during the years 1999-2003. **For more information: Click Here**

e-shodhSindhu	MHRD has formed e-ShodhSindhu merging three consortia initiatives, namely UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium. The e-ShodhSindhu will continue to make available current as well as archival access to more than 15,000 core and peer-reviewed journals and a number of bibliographic, citation and factual databases in different disciplines from a huge number of publishers and aggregators to its member institutions including centrally-funded technical institutions, universities and colleges that are covered under 12(B) and 2(f) Sections of the UGC Act. **For more information: Click Here**
GIAN	Global Initiative for Academic Network (GIAN) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. **For more information: Click Here**
Spoken Tutorial	IIT Bombay has been promoting use of open source software in educational institutions. The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy Video tool - Spoken Tutorials. **For more information: Click Here**
Virtual Labs	Ministry of Human Resource Development (MHRD), Government of India initiates Virtual Labs project under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a model move in ICT-based education. For the first time, such an initiative has been taken-up in remote- experimentation. **For more information: Click Here**

| N-LIST | The Project entitled "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", being jointly executed by the e-ShodhSindhu Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi provides for i) cross-subscription to e-resources subscribed by the two Consortia, i.e. subscription to INDEST-AICTE resources for universities and e-ShodhSindhu resources for technical institutions; and ii) access to selected e-resources to colleges. The N-LIST project provides access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre. The authorized users from colleges can now access e-resources and download articles required by them directly from the publisher's website once they are duly authenticated as authorized users through servers deployed at the INFLIBNET Centre.

For more information: Click Here |