AEMS

The LMS Matrix

The Advancing Economic Mobility with Skills (AEMS) Project, with support from Microsoft Philanthropies and in partnership with Standard Chartered Bank, seeks to lower the barrier for organizations to launch engaging, impactful, inclusive, and targeted online skills training programs worldwide.

Learning Management Systems (LMS) allow Youth Serving Organizations (YSOs) to provide skill building programmes to youth that promote on-demand and continuous learning. Selecting an LMS is crucial when moving from in-person skill-building programmes to providing youth with Digitally-Facilitated Skill training. An LMS can facilitate this transition, but selecting one can be challenging due to the lack of experience that many YSOs have with this particular technology.

In order to support this choice, the AEMS project reviewed and assessed different Learning Management Systems that YSOs might consider. After scanning the options available on the market, seven potential Learning Management Systems were identified and compared across a number of parameters. The results are provided as a series of single page overviews of each LMS that details their key features, functionality, and costing. The analysis also provides judgements on the use case of each LMS, as well as their strengths and weaknesses. This work is also available as an Excel file (link) which allows for side-by-side comparisons and better filtering by specific features.

With this assessment of Learning Management Systems, and complimented by an AEMS brief focused on selecting the right LMS (link), the AEMS project hopes that YSOs are better equipped to make the good choices to successfully adapt their programs for digital delivery.

Microsoft

IYF

standard chartered

Learning Management Systems

LMS Definitions

The LMS Matrix is designed to provide the reader with a quick overview of the features of the various Learning Management Systems. This gives organizations a reference to determine which LMS might have the features that a Youth Serving Organizations might need. The criteria for key fields in the LMS Matrix are defined here:

Accessibility: Different LMSs have different accessibility tools, either via internal compliance with Web Content Accessibility Standards or via third party accessibility plug-ins.

Supported Files: LMSs support different types of files so check that your existing content can be uploaded. Some have special tools to convert your files (PowerPoints and video) into engaging training content.

Assessment: Ensure the system allows for the types of assessment approaches you need. This could be closed-ended questions like matching questions, drag and drop, fill-in type questions, or open-ended assessments like long text questions.

Languages: An LMS needs to be available in the languages used in your training. This might include existing system translations or the option to add new language scripts to your LMS. Right to left configuration may also be a key feature depending on your linguistic focus.

Offline Accessibility: Your learners may prefer or require the option to download the training for offline learning either via a mobile app or to a desktop computer.

Learner Communication: LMSs will provide you with different communication options. Synchronous options include live video/chat. Asynchronous options include discussion boards, blogs, and email. Communications can be streamlined by your LMS by automated emails for registration, reminders, and course follow up.

Video Integration: Video options might include live video that is either built into the system or via systems like Microsoft Teams. Some LMSs allow video embedding directly or via YouTube or Vimeo.

Customization: Most LMSs allow for customization to match your own colors, brand, and domain name. More technical customization might focus on your ability to run multiple projects or to add features.

User Registration: Different LMSs offer different options for registering new learners into their system. This might be done via logins with Microsoft/Facebook/Google accounts, as batches with emails, mobile numbers or usernames, or via a course code shared with participants.

Mobile: LMSs should be mobile-responsive. Their web application should display content and be responsive to learner interactions on a mobile device. Some LMSs have their own mobile app that your participants can download, with some allowing you to create your own branded app.

Administrative Flexibility: LMSs might allow for different types of users and administrators in their system. More administrative options help manage complicated roll outs. Simpler administrative systems are easier for basic projects but challenging when programs grow.

Reusable Content and Standard Access: Choose a SCORM-compliant LMS if you intend to use training materials across several different LMS systems, or if you want to be able to import content from another system. If you want detailed user information, consider xAPI OR TinCap API compliance.

ADDITIONAL AEMS RESOURCES

Brief 1: Developing Engaging Digitally-Facilitated Skills Trainings

Brief 2: Making Your Digitally-Facilitated Skills Training More Accessible

Brief 3: Selecting the Right Learning Management System for Your Youth Serving Organization

Brief 4: Encouraging Diversity and Inclusion in Your Digitally-Facilitated Skills Training

Resource 5: Overview of Leading Learning Management Systems

Resource 6: Available Curricula and Learning Material Library for Skill Building

Canvas LMS

Canvas is an advanced LMS that supports engaging and dynamic learning experiences. It is a learning platform that allows institutions to build digital environments that solve their unique learning challenges. It is an integrated LMS with many advanced features, like synchronous video, that are built in.

https://www.instructure.com/product/k-12/canvas-lms

Best For:

Flexibility for Facilitators, Advanced Features, Administration and Reporting, Customization, Interactive Content

- ✔ Self-directed/ unpaced
- ✔ Teacher or Trainer-Led Learning
- ✔ Group-directed/ paced learning
- ✔ Personalised learning paths

Use Case

Canvas focuses on higher education and larger training organizations looking for an LMS with advanced integrated features that can be customizable. Organizations that select this LMS should have professional IT staff who understand their specific needs and can manage the implementation and deployment process. It is best suited for institutions that want to provide opportunities for many teachers/facilitators to be able to develop and manage their own courses.

Strengths

Canvas has tools for teachers to develop good instructional design, make courses more robust through the use of multimedia, and facilitate meaningful engagement with learners. Key features include inbuilt live video options, modules for parental involvement, and differentiated learning.

Weaknesses

The LMS has high upfront and running costs to create a system that matches learning needs. There is a steep learning curve required to get systems operational. Up-front training and continued support for course creators is necessary to take full advantage of the system.

Pricing and Business Model

Canvas charges a one-time implementation fee and an annual subscription fee based on an institution's total number of users and size. Exact pricing is not publicly available. It does offer an open-source option with self-hosting for individual teachers, and free trials for LMS testing.

Costs: License Fee, Pay for Setup

Languages

Arabic, Armenian, English, French, German, Greek, Haitian, Portuguese, Spanish, Turkish, Ukrainian

Other Language Scripts: No

User and Learner Features

Communication	✔ Forums	✔ LMS Messaging
	Email	✔ Instructor Posting
Video	✔ Embed	Live (Plug In)
	✔ Upload	✔ Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	✔ Differentiated Learning
	✔ Final Assessments	Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	✔ Completion Rates	

Digital

| Mobile | ✔ Responsive | ✔ Android | ✔ Apple | White Label |

Connectivity — Online only: requires internet connection

Customization

- ✔ Branding
- ✔ White Labelling
- ✔ Domain Name
- ✔ Multi Programme
- ✔ User Provisioning
- ✔ Flexible Certificates

File Types

✔ JPEG/PNG ✔ MP4 ✔ HTML ✔ WAV ✔ PDF ✔ PPT ✔ DOCX ✔ AVI

MPEG/MP H5P MOV WMV MPE MOV ✔ EPUB 3GP

Standards

✔ HTML5 ✔ xAPI ✔ AICC SCORM 1.2 ✔ SCORM 2004 SCORM (Q2,2022)

Accessibility — Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

Canvas requires its own implementation team to support deployment. It has many options for different configurations and tools. Within the system, it has clearly defined course and system management roles. It is known for having a clean user interface and a range of detailed analytics on users and content engagement.

Ease of Implementation — Difficult, requires external support and consulting

Hierarchy/Users — Organizational, Group, Learning Path or Content Area, Global Admins, Students

Support Offering	✔ Help Docs	✔ 3rd Party Consultants
	✔ Paid Support	✔ Community Forums
Registration & Enrollment	✔ Social/SSO	✔ Self Registration	URL Based
	Phone Based	✔ Bulk Registration	

AEMS

Cornerstone onDemand

Cornerstone OnDemand is corporate learning and training platform for creating, managing and delivering bespoke learning. It is highly adaptable, has a range of advanced features, and can be customized to a variety of training use cases.

https://www.cornerstoneondemand.com/

Best For:

Customization, Advanced Features, Administration and Reporting, Interactive Content

✔ Self-directed/ unpaced   ✔ Group-directed/ paced learning
✔ Teacher or Trainer-Led Learning ✔ Personalised learning paths

Use Case

Cornerstone OnDemand is primarily focused on corporate training. This makes it well-suited to a variety of different types of learning and to complicated deployments. It has developed varied and robust features to serve its customers which allows for high level of custom configurations.

Strengths

Cornerstone OnDemand is well designed and has frequent feature updates. It has an intuitive interface for learners, including allowing custom HTML. It supports different learning approaches by allowing flexible content categorization. It supports a large number of file types.

Weaknesses

Cornerstone can be expensive when compared to Open-Source or consumer oriented LMS. For non technical users, it might require more technical knowledge to start up and launch. The 3rd party registration and its testing module may not meet all NGOs needs.

Pricing and Business Model

No public pricing. Available on request through webform and demo

Costs: Pay Per Participant, License Fee, Pay for Features
https://www.cornerstoneondemand.com/demo/

Languages

Available in over 60 languages.
https://www.cornerstoneondemand.com/solutions/content/content-anytime/

Other Language Scripts: No

User and Learner Features

Communication	✔ Forums	✔ LMS Messaging
	Email	✔ Instructor Posting
Video	✔ Embed	Live (Plug In)
	✔ Upload	✔ Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	Differentiated Learning
	✔ Final Assessments	✔ Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	✔ Completion Rates	

Digital

Mobile   ✔ Responsive   ✔ Android   ✔ Apple   White Label

Connectivity   Online and Offline: Download via Native App

Customization

✔ Branding   ✔ Domain Name   ✔ User Provisioning
✔ White Labelling   ✔ Multi Programme   ✔ Flexible Certificates

File Types
✔ JPEG/PNG   ✔ MP4   ✔ HTML   ✔ WAV   ✔ PDF   ✔ PPT   ✔ DOCX   ✔ AVI

✔ MPEG/MP   H5P   ✔ MOV   ✔ WMV   MPE   ✔ MOV   EPUB   3GP

Standards
HTML5   ✔ xAPI   ✔ AICC   SCORM 1.2   ✔ SCORM 2004   SCORM (Q2,2022)

Accessibility   Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

Roles and functions are extensive, allowing for complex deployment. It has well defined knowledge base and offers extensive training resources. The admin user interface is good but can become complicated when multiple features are being deployed.

Ease of Implementation	Medium, requires some technical skills and support
Hierarchy/Users	Global Admins, Organizational, Group, Teacher or Course, Students, Learning Path or Content Area

Support Offering	✔ Help Docs	✔ 3rd Party Consultants
	✔ Paid Support	✔ Community Forums
Registration & Enrollment	✔ Social/SSO	✔ Self Registration URL Based
	✔ Phone Based	✔ Bulk Registration

** features as per March 2022

AEMS

Kolibri

Kolibri is an open-source educational platform designed for low bandwidth communities. Content can be made available online but it is primarily built to run on a lightweight local servers and provides a library of open educational resources to support access to curriculum and content learning in the classroom. New content can be added to the library provided it is shared publicly.
https://learningequality.org/kolibri/

Best For:

Value for Money, Offline

✔ Self-directed/ unpaced	✔ Group-directed/ paced learning
Teacher or Trainer-Led Learning	Personalised learning paths

Use Case

Kolibri is designed for offline or low bandwidth situations. It is able to create local networks between computers, tablets, and phones to be able to share content and facilitate learning where internet is not available. It is supported by a library of open educational content for those educational setting with reduces access to curricula and learning materials.

Strengths

Kolibri is built for offline learning and creates local area networks between devices to facilitate digital learning. It is compatible with older or less powerful hardware and has a library of free to use content already integrated through the Kolibri Studio, its authoring tool. It is intuitive and easy to use for facilitators and learners.

Weaknesses

Kolibri has no mobile app yet (though it is currently being developed), limited features and plug-ins. It does not allow for much customization at the back end and only offers paid customization for front end changes to the system. Some technical skills may be required to load the LMS onto different devices.

Pricing and Business Model

Kolibri is free to download and use. If you add content to the free, public Kolibri library, there is no charge for use of the LMS in your program. Payment occurs when there is proprietary content deployed or development required for front end customization.

Costs: License Fee, Pay for Setup, Hosting

Languages

Arabic, Bengali, English, Farsi, French, Gurajati, Hindi, Khmer, Marathi, Portuguese, Spanish, Swahili, Telugu, Yoruba

Other Language Scripts: No

User and Learner Features

Communication	Forums	LMS Messaging
	Email	Instructor Posting
Video	Embed	Live (Plug In)
✔	Upload	Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	✔ Differentiated Learning
	Final Assessments	Written Assignments
Reporting	Activity Reports	Individual/Group Reports
	Completion Rates	

Digital

Mobile	✔ Responsive	Android	Apple	White Label

Connectivity Online and offline: Local Installation on Windows, Linux, MacOS

Customization

✔ Branding	✔ Domain Name	User Provisioning
✔ White Labelling	✔ Multi Programme	Flexible Certificates

File Types

✔ JPEG/PNG	✔ MP4	✔ HTML	WAV	✔ PDF	✔ PPT	✔ DOCX	AVI
MPEG/MP	✔ H5P	MOV	WMV	✔ MPE	MOV	✔ EPUB	3GP

Standards

✔ HTML5	xAPI	AICC	✔ SCORM 1.2	SCORM 2004	SCORM (Q2,2022)

Accessibility Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

Kolibri has its own system for loading content (Studio). It is possible to assign roles, content and users. It has good tools for teachers but limited analytics. For offline use cases, administrators must load the software onto specific devices (like a Raspberry Pi) to create local networks.

Ease of Implementation Medium, requires some technical skills and support

Hierarchy/Users Organizational, Teacher or Course, Students

Support Offering	✔ Help Docs	3rd Party Consultants
	Paid Support	Community Forums
Registration & Enrollment	Social/SSO	✔ Self Registration	URL Based
	Phone Based	✔ Bulk Registration	

** features as per March 2022

AEMS

LearnWorlds

LearnWorlds is a full-featured LMS designed to easily launch training initiatives. It has robust tools for developing engaging courses and increasing learner satisfaction. It allows for front end customization, the ability to define learning pathways, and provides tools for creating an identity and community around training offerings.
https://www.learnworlds.com

Best For:

Speedy Set Up, Value for Money, Advanced Features, Interactive Content

✔ Self-directed/ unpaced	✔ Group-directed/ paced learning
✔ Teacher or Trainer-Led Learning	Personalised learning paths

Use Case

The LMS supports individuals and organizations looking for a simple way to start and launch their online training program. It primarily focuses on asynchronous courses. The LMS is easy to try via a free trial, set up and customized without external support, and has authoring features that are easy to use and allow for highly interactive courses.

Strengths

LearnWorlds can launch training programmes without external support. In-built authoring tools allow for high-quality course creation and video editing. Course templates and customization allow training products to be easily brands and styled. Analytics are simple for course and learner activities. Simple, clear pricing.

Weaknesses

Limited modification available for administrative controls and functions. There is no support for offline learning. System not configured to run courses in more than one language.

Pricing and Business Model

Monthly or yearly pricing are clearly defined and include hosting costs. Costs increase based on access to features and the number of administrators/facilitators, but not based on the amount of course participants. Good for organizations with a large number of learners and little facilitator support is planned or necessary.

Costs: License Fee
https://www.learnworlds.com/pricing/

Languages

Chinese (Traditional), Dutch, English, French, German, Greek, Italian, Japanese, Portuguese, Spanish

Other Language Scripts: Yes

User and Learner Features

Communication	✔ Forums	✔ LMS Messaging
	Email	✔ Instructor Posting
Video	✔ Embed	✔ Live (Plug In)
	✔ Upload	Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	Differentiated Learning
	✔ Final Assessments	✔ Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	✔ Completion Rates	

Digital

Mobile	✔ Responsive	✔ Android	✔ Apple	✔ White Label

Connectivity   Online only: requires internet connection

Customization

✔ Branding	✔ Domain Name	✔ User Provisioning
✔ White Labelling	✔ Multi Programme	✔ Flexible Certificates

File Types

✔ JPEG/PNG	✔ MP4	✔ HTML	WAV	✔ PDF	✔ PPT	DOCX	AVI
✔ MPEG/MP	H5P	✔ MOV	✔ WMV	MPE	✔ MOV	✔ EPUB	✔ 3GP

Standards

✔ HTML5	xAPI	AICC	SCORM 1.2	✔ SCORM 2004	SCORM (Q2,2022)

Accessibility   Integrated Assistive Technology

Administration and Management

LearnWorlds is easy to set up and manage learners and courses. It is not designed to support large and complex deployments. Only three levels of users may require administrative control and there are a limited number of users who can become course facilitators.

Ease of Implementation	Easy, low technical skills required and well documented
Hierarchy/Users	Organizational, Learning Path or Content Area, Teacher or Course
Support Offering	✔ Help Docs 3rd Party Consultants
	✔ Paid Support ✔ Community Forums
Registration & Enrollment	✔ Social/SSO Self Registration URL Based
	Phone Based ✔ Bulk Registration

** features as per March 2022

AEMS

Microsoft Community Training

Microsoft Community Training (MCT) is a mobile and web-based learning platform designed for quick and easy content setup and delivery of learning at scale. The LMS builds off the product offering, the technical skills, and the multilingual competencies of the Microsoft Company.

https://communitytraining.microsoft.com/

Best For:

Value for Money, Large Scale Deployments, Mobile, Offline, Speedy Set Up

- ✔ Self-directed/ unpaced
- ✔ Group-directed/ paced learning
- Teacher or Trainer-Led Learning
- ✔ Personalised learning paths

Use Case

MCT is a new choice for organizations that are looking for an LMS for simple online, low bandwidth, or offline training. It has a clean user interface to add course content and supports an wide array of file types. MCT is designed to facilitate large number of learners through its management and monitoring tools, and the pricing model based on hosting costs can keep this cost low.

Strengths

MCT has an intuitive user interface for learners and administrators. Features include tight integration with Microsoft products like MS Teams (coming soon) and PowerBI. It is easy to navigate, has a simple backend, and supports a wide range of content types. It has an Android app that can be white labelled and supports offline learning.

Weaknesses

This LMS offers limited customization of the user experience. It also has limited assessment tools. Pricing is not easily calculated and is based on hosting costs on the Azure cloud which will vary based on use. Some configurations must be done in the Azure portal, which may require more technical support to deploy.

Pricing and Business Model

The system requires you to pay for hosting on the Microsoft Azure platform. Expenses are incurred based on the number of files uploaded, the number of videos streamed, and user activity. A starting grant of Azure credits is offered for eligible non-profit organizations and NGOs.

Costs: Hosting
https://communitytraining.microsoft.com/pricing/

Languages

Arabic, Albanian, Bengali, Chinese, Dutch, English, Finnish, French, Hindi, Kinyarwanda, Kurdish, Lao, Lithuanian, Malay, Oriya, Portuguese, Serbian, Somali, Spanish, Swedish, Tajik, Telugu, Tetum, Thai, Ukrainian, Vietnamese

Other Language Scripts: Yes

User and Learner Features

Communication	Forums	LMS Messaging
	Email	✔ Instructor Posting
Video	✔ Embed	Live (Plug In)
	✔ Upload	Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	Differentiated Learning
	✔ Final Assessments	Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	✔ Completion Rates	

Digital

Mobile	✔ Responsive	✔ Android	Apple	✔ White Label

Connectivity   Online and offline: Local Installation on Windows/Linux

Customization

- ✔ Branding
- ✔ Domain Name
- User Provisioning
- ✔ White Labelling
- ✔ Multi Programme
- ✔ Flexible Certificates

File Types

✔ JPEG/PNG	✔ MP4	✔ HTML	WAV	✔ PDF	✔ PPT	✔ DOCX	✔ AVI
✔ MPEG/MP	H5P	✔ MOV	✔ WMV	✔ MPE	✔ MOV	✔ EPUB	✔ 3GP

Standards

✔ HTML5	xAPI	AICC	SCORM 1.2	SCORM 2004	✔ SCORM (Q2,2022)

Accessibility   Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

MCT has simple monitoring tools for system managers and facilitators. It has clear support documentation. It has easy to use analytics to record learner progress. User management allows for delegation and automation of administrative tasks via groups, courses, or learning pathways.

Ease of Implementation	Easy, low technical skills required and well documented
Hierarchy/Users	Global Admins, Organizational, Group, Learning Path or Content Area, Teacher or Course, Students

Support Offering	✔ Help Docs	3rd Party Consultants
	Paid Support	Community Forums
Registration & Enrollment	✔ Social/SSO	✔ Self Registration URL Based
	✔ Phone Based	✔ Bulk Registration

** features as per March 2022

AEMS

Moodle

Moodle is an open-source learning platform designed to provide educators, administrators and learners with a robust, secure and flexible system to create personalized learning environments for a range of use cases. It aims to create collaborative learning environments that can support blended and fully online learning.
https://moodle.org/

Best For:

Flexibility for Facilitators, Customization, Advanced Features

- ✔ Self-directed/ unpaced
- ✔ Teacher or Trainer-Led Learning
- ✔ Group-directed/ paced learning
- Personalised learning paths

Use Case

Moodle modular approach means that it can be configured to many use cases, from classroom-based learning to professional and NGO settings. It provides course instructors to select from a wide range of tools for learning and assessment. While there is no license cost, organizations would likely need to find a trusted consulting company to support set up and deployment.

Strengths

Moodle has built-in course design tools for uploading content or setting up courses. The design of Moodle is open source and supported by a community, meaning that many features and integrations are added regularly. It is also available in 120 languages. Analytics can be added as a module and customized to specific needs.

Weaknesses

Moodle is fairly rigid in how it presents information and may not be best for interactive content. Setting it up can be challenging because there is a need to assemble the system initially, likely with a consulting company. There is community support but professional support must be paid for.

Pricing and Business Model

Moodle is open source and free. Unless selecting organization has in house developers, it likely requires third party implementation partners and host to support ensure appropriate customization and deployment.

Costs: Hosting
https://moodle.com/services/

Languages

Arabic, Afrikaans, Amharic, Bengali, Burmese, English, Ewe, French, Haitian, Hausa, Hindi, Igbo, Portuguese, Spanish, Swahili, Tajik, Telugu, Zulu

Other Language Scripts: Yes

User and Learner Features

Communication	✔ Forums	✔ LMS Messaging
	✔ Email	✔ Instructor Posting
Video	Embed	✔ Live (Plug In)
	Upload	Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	✔ Differentiated Learning
	✔ Final Assessments	✔ Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	Completion Rates	

Digital

Mobile ✔ Responsive ✔ Android ✔ Apple White Label

Connectivity Online and offline: Local Installation on Windows, Linux, MacOS

Customization

- ✔ Branding
- ✔ White Labelling
- ✔ Domain Name
- ✔ Multi Programme
- ✔ User Provisioning
- ✔ Flexible Certificates

File Types

✔ JPEG/PNG MP4 ✔ HTML WAV ✔ PDF ✔ PPT ✔ DOCX ✔ AVI

MPEG/MP ✔ H5P MOV ✔ WMV MPE MOV ✔ EPUB ✔ 3GP

Standards

✔ HTML5 ✔ xAPI ✔ AICC ✔ SCORM 1.2 ✔ SCORM 2004 SCORM (Q2,2022)

Accessibility Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

Moodle has at least five administration levels with customizable tweaks to roles. Other administrative settings and registration functions can be added using plugins. The set up and development of the administrative features likely needs to be done by a consulting company.

Ease of Implementation	Medium, requires some technical skills and support
Hierarchy/Users	Organizational, Group, Learning Path or Content Area, Teacher or Course, Students
Support Offering	✔ Help Docs ✔ 3rd Party Consultants
	Paid Support ✔ Community Forums
Registration & Enrollment	✔ Social/SSO ✔ Self Registration URL Based
	Phone Based ✔ Bulk Registration

** features as per March 2022

AEMS

OpenEdx

OpenEdx is a learning software designed for developing engaging and interactive learning content. Originally developed for Edx's Massive Open Online Courses (MOOC), an open-source LMS has been released for others to adapt and use. The LMS can support more personalized learning experiences using the same robust feature set.
https://open.edx.org

Best For:

Large Scale Deployments, Customization, Administration and Reporting, Interactive Content

- ✔ Self-directed/ unpaced
- Teacher or Trainer-Led Learning
- Group-directed/ paced learning
- Personalised learning paths

Use Case

OpenEdx's primary use case is for training a large number of learners asynchronously. It is primarily used as a platform for universities or training institutions to launch their own large MOOC style classes or training courses.

Strengths

OpenEdx has a modern design and it is easy to create new courses. It prioritizes learning sequences that integrate content, interaction, and advanced assessment. Based on MOOC technology, the underlying technology can support thousands of concurrent users.

Weaknesses

Setting up OpenEdx, adding features, and hosting almost always requires third party support. The LMS is also not designed to support synchronous learning and live video.

Pricing and Business Model

OpenEdx is open source and free to use but is complicated to set up, customize and host. The cost associated with OpenEdx is therefore contracting with a consulting company to customize and host the system.

Costs: Pay for Setup, Hosting
https://open.edx.org/get-started/

Languages

Arabic, English, French, Indonesian, Lithuanian, Persian, Portuguese, Spanish, Vietnamese

Other Language Scripts: Yes

User and Learner Features

Communication	✔ Forums	LMS Messaging
	✔ Email	Instructor Posting
Video	✔ Embed	Live (Plug In)
	✔ Upload	Live (Native)

Assessment and Reporting

Assessment	✔ Quizzes	Differentiated Learning
	✔ Final Assessments	✔ Written Assignments
		✔ Individual/Group Reports
Reporting	✔ Activity Reports	
	✔ Completion Rates	

Digital

Mobile   ✔ Responsive   ✔ Android   ✔ Apple   White Label

Connectivity   Online only: requires internet connection

Customization

| ✔ Branding | Domain Name | ✔ User Provisioning |
| White Labelling | Multi Programme | ✔ Flexible Certificates |

File Types

✔ JPEG/PNG   ✔ MP4   ✔ HTML   WAV   ✔ PDF   ✔ PPT   ✔ DOCX   ✔ AVI

✔ MPEG/MP   ✔ H5P   MOV   WMV   MPE   MOV   EPUB   3GP

Standards

✔ HTML5   xAPI   AICC   SCORM 1.2   ✔ SCORM 2004   SCORM (Q2,2022)

Accessibility   Web Content Accessibility Guidelines (WCAG) 2.1

Administration and Management

OpenEdx requires professional support for set up and hosting. It has multiple administration roles both at the systems and course levels. The platform can be configured for self-registration, bulk enrolment or by invite only.

Ease of Implementation   Difficult, requires external support and consulting

Hierarchy/Users   Teacher or Course, Group, Students

Support Offering	✔ Help Docs	✔ 3rd Party Consultants
	Paid Support	✔ Community Forums
Registration & Enrollment	✔ Social/SSO	Self Registration	✔ URL Based
	Phone Based	✔ Bulk Registration	

** features as per March 2022

AEMS