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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | **ATutor** | **Moodle** | **Sakai** | **ILIAS** | **Claroline** | **Chamilo** | **OpenOLAT** | **Open edX** |
| Developer | Adaptive Technology Resource Centre, University of Toronto, Canada. Now GitHub | Moodle Pty Ltd,  Australia | Apereo Foundation, USA | ILIAS Society,  Cologne, Germany | Université catholique de Louvain  (**Catholic University of Louvain), Belgium.**  **Available from Github**  Claroline is now financially supported by the Walloon Region, Belgium for its development through the WIST programme | Chamilo Association, Spain | **frentix, GmbH** | **edX Inc., USA** |
| Database | My SQL, PostgreSQL | My SQL, PostgreSQL | MySQL, Oracle, MariaDB | MySQL / MariaDB | MySQL/MariaDB | MySQL/MariaDB | MySQL and Postgres |  |
| Web Server | Apache, IIS  Lighttpd  Abyss  Jana-Server | Apache, IIS | Apache | Apache | Apache  Nginx | Apache, IIS | Apache |  |
| Operating System | Windows,  Linux | Windows,  Linux  Mac | Windows,  Linux  Mac | Windows,  Linux  Mac | Windows, Linux  Mac | Windows, Linux, Mac | Windows, Mac OS X and Linux |  |
| Programming language | PHP | PHP | PHP | PHP | PHP | PHP | Java |  |
| Versions | First version 1; Year: 2002  Latest version: 2.2.4  ; Year: 2018 | Version 1: August 2002  Latest version: 3.11  (Total major releases: 33, Minor releases 310) | Version 1: 2004  Version 21: 2021 (Total 18 major releases. No information on minor releases) Total releases as on October 2019 is 63. | Latest: version 7.2 on 25 June 2021  First version:  November 2, 1998  (Total 30 minor and 27 major versions) | 1st version. 2000  Latest version: 12.5 / 19 November 2019 | 1st version 2010  Latest version: 1.11.16 published in 2021  (6 major versions; 21 minor versions) | Version 1, i.e. OpenOLAT 8.0 in 2011 Latest ver.16.0.1 in 2021  (29 versions both minor and major versions) |  |
| License | GNU General Public  License | GNU General Public  License | [Educational Community License](https://en.wikipedia.org/wiki/Educational_Community_License) | GNU General Public License (GPL) | GNU General Public  License | GNU General Public  License | Apache license |  |
| **Support**  interoperability standards  **Support SCORM**  for the exchange of contents | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **LTI support** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Enrolment** | Manual, bulk, self | Manual, bulk, self | Manual and automatic | Manual and automatic |  | Manual and automatic  bulk, individual and self | Manual and automatic  bulk, individual and self |  |
| **Student grouping** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Learning path** |  | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Course backup** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Personalization**  **(** customizable portal page, that users can personalize and adjust to their liking)/ Personal setiings preference | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Ability to set up different User roles** | Yea | Yes | Yes | Yes | Yes | Yes | Yes |  |
| Course content delivery formats | Plain text, html, images, and videos | Plain text, html, images, and videos | Plain text, html, images, and videos | text, images, and videos | text, images, and videos | Text, images, and videos | Text, images, video, and audio |  |
| **Attendance** | No | Yes | Yes | Yes |  | Yes | Yes |  |
| **Certificate** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Grade book** | Yes | Yes | Yes | No |  | Yes | No |  |
| **Assignment** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Files** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Folder** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **External links** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Forum** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Chat** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Lesson/Content** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Survey/Poll** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Polls** | Yes | Yes | Yes | Yes |  |  |  |  |
| **Glossary /Dictionary** | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| **Wiki** | Yes | Yes | Yes | Yes | Yes | Yes | Yes |  |
| **Video Conferencing** | Yes.  Adobe Connect  BBB  Open meeting | BBB, Open meeting  Adobe Connect,  Zoom  Webex  Jitsi Meet  GoToMeeting | Yes  Zoom  BB  Open meeting  Adobe Connect, Webex  GoToMeeting | Yes  BBB  Open meeting  Adobe Connect  Zoom  Webex  GoToMeeting | Yes | Yes.  BBB & Open meeting  Zoom  GoTo Meeting | Yes  BBB,  Open meeting  Adobe Connect,  GoTo Meeting, MS teams Vitero GmbH |  |
| Create  groups of students |  | Yes |  | Yes | Yes | Yes | Yes |  |
| **Quiz/Exercise/Test** | Yes | Yes | yes | Yes | Yes | Yes | Yes |  |
| Question bank/Pool | Yes | Yes | yes | Yes |  | Yes | Yes |  |
| Email | Yes | Yes | Yes | Yes |  | Yes | yes |  |
| Announcements ( Organize) | Yes | Yes | Yes | Yes | Yes | Yes | yes |  |
| **Calendar**( Organize) | Yes | Yes | Yes | Yes | Yes | Yes | yes |  |
| Course progress | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| User activity statistics /Site statistics | Yes | Yes | Yes |  |  | Yes | Yes |  |
| LMS Users and Statistics | No | Available | No | No |  | Available | Yes |  |
| **Community support** | Yes. Not very active | Yes | Yes | Yes | Yes. Very limited | Yes | Yes |  |
| **Documentation support** | Yes- Not comprehensive | Yes | Yes | Yes. Incomplete | Incomplete, outdated.  Most of the supporting materials are in French | Yes. Limited | Yes. Not updated as per the latest version |  |
| **Video tutorials** | No | Yes | No | No | Very limited | Yes. Limited. Majority in Spanish | Yes. In German |  |
| **Demo site** | Not functional | Yes | Yes | Yes | In french | Yes. In Spanish and English | Yes. In German |  |
| Context-sensitive help  ( through a link to the respective topic in the manual while using a tool**)** | Yes | Yes | Yes | Yes | Yes | No | Yes |  |
| Professional service providers | No | Yes  (Indian-based also) | Yes  (No Indian based) | Yes  (No Indian based. Only Europe) |  | Yes  Five one from India (Europe and Latin American) | No |  |
| Third Party Integrations/ External tools | Yes | Yes | Yes | Yes |  | Yes | Yes |  |
| Plugins/Community/Third party developed tools | Yes (Known as modules) | Yes | Yes | Yes |  | Yes | Yes |  |
| Types of Customers |  | Schools  Colleges  Commercial | Universities | Schools  Colleges  Commercial |  | schools, colleges, universities, non-governmental organizations, and various types of businesses | Schools  Colleges  Commercial |  |
| Organizations using LMS | Not available | Yes | 243 | Not available | No updated information | No updated information. The provided information is as on 2014 | Not available |  |
| Remarks | Does not have the same large community as Moodle.  Having a smaller end user community and less documentation than the more popular systems also raises the threshold to engage with such as system.  ATutor is known for its accessibility features. It supports low Internet bandwidth and old browsers. Also, disabled people have the facility to access the system with the support of assistive technologies. |  |  | Paid professional support | There are 2 versions of this platform:   * **Standard Claroline (Free Open Source Version )** * **Claroline Connect (Paid Version)**   **little community of users in Spanish that it has** , which makes it very difficult to know this platform.  The starting language of system was French, consequently using English on the second language |  |  |  |

**Comparison chart**

**ATUTOR:** Having a smaller end user community and less documentation than the more popular systems also raises the threshold to engage with such as system

**Greg Gay** ATutor came to life in the late 1990s, initially part of a graduate school project of mine, then shortly after becoming open source software – the idea was to make online learning acce

[**https://atutor.github.io/**](https://atutor.github.io/)

[**https://confluence.openolat.org/**](https://confluence.openolat.org/)

<https://www.claroline.com/>

<https://sourceforge.net/projects/claroline/>

<https://chamilo.org/es/>

<https://version.chamilo.org/stats/>

<https://github.com/OpenOLAT/OpenOLAT/releases>

Allows anyone to download the entire software for free

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