

# MOODLE- Online Learning Management System

With the present pandemic hitting the world, it is interesting to note that the traditional means of imparting knowledge in institutes of higher education have also been impacted to a considerable extent. In this context, it has become imperative to explore other learning mechanisms one of which is Virtual Learning Approach. In this scenario, several learning management systems have evolved. **Using Moodle, trainers can create and disseminate e-content in four quadrant approaches to their students in a flexible manner. The features of Moodle are personalized dashboard creation, easy to use interface, collaborative tools, automatic alerts and notifications, customized role creation, etc**

Moodle can assist to customize the content for teachers' course content and also aid course delivery administrators to track of the performance of the students and customize the site as per institutional requirement.

## **The Following are standard features of Moodle:**

- 1. Modern, easy to use interface:** Modern, easy to use interface signed to be responsive and accessible, the Moodle interface is easy to navigate on both desktop and mobile devices.
- 2. Personalised Dashboard:** display current, past and future courses, along with tasks due.
- 3. Collaborative tools and activities:** Work and learn together in forums, wikis, glossaries, database activities, and much more
- 4. All-in-one calendar:** Moodle's calendar tool helps you keep track of your academic or company calendar, course deadlines, group meetings, and other personal events.
- 5. Convenient file management:** Drag and drop files from cloud storage services including MS OneDrive, Dropbox and Google Drive.
- 6. Simple and intuitive text editor:** Format text and conveniently add media and images with an editor that works across all web browsers and devices.
- 7. Notifications:** When enabled, users can receive automatic alerts on new assignments and deadlines, forum posts and also send private messages to one another.
- 8. Track progress:** Educators and learners can track progress and completion with an array of options for tracking individual activities or resources and at course level.
- 9. Customisable site design and layout:** Easily customise a Moodle theme with your logo, colour schemes and much more - or simply design your own theme.
- 10. Secure authentication and mass enrolment:** Over 50 authentication and enrolment options to add and enroll users to your Moodle site and courses.

In addition, Moodle also supports some additional features such as Multilingual capability, Bulk course creation and easy backup, Manage user roles and permissions, Supports open standards, High interoperability, Simple plug-in management, Regular security updates, Detailed reporting and logs, Direct learning paths, Encourage collaboration, Multimedia Integration etc.

## Benefits of Moodle to various Stake-holders

S.No	Students	Faculty	Administrators
1	Students can go through the content at their own pace with flexible timings (Competency based learning)	Creation and management of courses to suit their students	Administrators can enforce and monitor OBE
2	Contents of the missed classes can be viewed at any time	Preparation of online material in 'four quadrant' approach	Keeping track of progress and scheduling of the classes semester wise is possible
3	Difficult concepts/ portions can be studied repeatedly to get more clarity, if needed	Division of course into different modules/Topics and their scheduling is flexible by industry/Academia	Feedback systems can be integrated with LMS
4	Performance can be monitored throughout the semester	Design and Scheduling of assignments and assessments to the students can be made available to students at his/her convenience	Academic audit can be easily done and remotely also
5	Anytime, Anywhere learning is possible	Automatic Evaluation of Quiz and other day to day tests	Maintaining the records in a secured way
6	Courses can be learnt with lecture, video, animation and simulation of software embedded together	The content available in the Moodle can be fine-tuned for every batch.	Moodle server setup at institutional level is required or cloud subscription can be taken
7	Collaborative learning is possible	Group case studies for projects can be given	Training on Moodle and required platform/tools are essential
8	Learning outcomes can be monitored at every stage	Outcome Based Learning can be emulated	Learning outcomes can be measured
9	<b>Resources:</b> Desktop/Laptop with Headphone and reasonable internet bandwidth is needed to all faculty, students and Administrators		