

Overview of Moodle

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://www.sakshat.ac.in>

Tutorial by : Nancy & Priyanka

Video Production by: Spoken Tutorial Team

08 January, 2019



Learning Objectives

In this tutorial, we will learn about:



Learning Objectives

In this tutorial, we will learn about:

- **the concept of Learning Management Systems (LMS in short)**



Learning Objectives

In this tutorial, we will learn about:

- **the concept of Learning Management Systems (LMS in short)**
- **Moodle as an LMS**



Learning Objectives

In this tutorial, we will learn about:

- **the concept of Learning Management Systems (LMS in short)**
- Moodle **as an LMS**
- **Who can use Moodle**



Learning Objectives

In this tutorial, we will learn about:

- **the concept of Learning Management Systems (LMS in short)**
- Moodle **as an LMS**
- **Who can use Moodle**
- **Examples of Moodle websites**



Learning Objectives

We will also learn about the:



Learning Objectives

We will also learn about the:

- **Software and hardware requirements for running Moodle**



Learning Objectives

We will also learn about the:

- **Software and hardware requirements for running Moodle**
- **Key features that will be demonstrated in the Moodle series**



Prerequisites

- **Learners of this tutorial should know how to browse a website**



Learning Management System



Learning Management System

- **An LMS helps us to create, manage and deliver any eLearning content**



Learning Management System

- **An LMS helps us to create, manage and deliver any eLearning content**
- **For example:**



Learning Management System

- **An LMS helps us to create, manage and deliver any eLearning content**
- **For example:**
 - **Educational courses**



Learning Management System

- **An LMS helps us to create, manage and deliver any eLearning content**
- **For example:**
 - Educational courses
 - **Training programmes**



Learning Management System

- **An LMS helps us to create, manage and deliver any eLearning content**
- **For example:**
 - Educational courses
 - Training programmes
- **It helps us to manage our courses**



Learning Management System



Learning Management System

We can

- **Create and edit content**



Learning Management System

We can

- **Create and edit content**
- **Give access to students**



Learning Management System

We can

- **Create and edit content**
- **Give access to students**
- **Grade their submissions**



Moodle as an LMS

- Moodle is a responsive, free and open source software



Moodle as an LMS

- Moodle is a responsive, free and open source software
- It is one of the most popular LMS used globally by educational institutes



Moodle as an LMS

- Moodle is a responsive, free and open source software
- It is one of the most popular LMS used globally by educational institutes
- Its security controls keep our data safe and protected



Moodle as an LMS

- **It has some very powerful features that empower both teachers and learners**



Moodle as an LMS

- **It has some very powerful features that empower both teachers and learners**
- **Moodle also provides detailed documentation, which makes it easy to use**



Moodle as an LMS

- **The Moodle user community and forum help are very active**



Moodle as an LMS

- **The Moodle user community and forum help are very active**
- **The free plugins available in Moodle make it even more feature-rich**



Features of Moodle



Features of Moodle

Moodle:

- is easy to navigate on all devices



Features of Moodle

Moodle:

- is easy to navigate on all devices
- has detailed reports on activity and participation at course and site level



Features of Moodle

Moodle:

- helps in collaborative as well as personalized learning



Features of Moodle

Moodle:

- helps in collaborative as well as personalized learning
- Forums, peer assessments, group management, learning paths etc. can be used for that



Who can use Moodle?



Who can use Moodle?

- **Educational institutions like universities, colleges, schools and coaching institutes**



Who can use Moodle?

- **Educational institutions like universities, colleges, schools and coaching institutes**
- **Businesses for employee training and orientation**



Who can use Moodle?

- **Hospital and health care training programmes**



Who can use Moodle?

- **Hospital and health care training programmes**
- **Any eLearning based institution**



Software Requirements for Moodle



Software Requirements for Moodle

To install Moodle, we need:



Software Requirements for Moodle

To install Moodle, we need:

- Apache **web-server**



Software Requirements for Moodle

To install Moodle, we need:

- Apache **web-server**
- **A database like** MySQL, MariaDB **or** PostgreSQL



Software Requirements for Moodle

To install Moodle, we need:

- Apache **web-server**
- **A database like** MySQL, MariaDB **or** PostgreSQL
- PHP



Hardware Requirements for Moodle



Hardware Requirements for Moodle

- Disk Space: **200 MB for Moodle code, plus space to store content**



Hardware Requirements for Moodle

- Disk Space: **200 MB for Moodle code, plus space to store content**
- **However, 5GB is a realistic minimum**



Hardware Requirements for Moodle

- Disk Space: **200 MB for Moodle code, plus space to store content**
- **However, 5GB is a realistic minimum**
- Processor: **1GHz minimum, but 2GHz dual core or more is recommended**



Hardware Requirements for Moodle

- Memory: **512MB** minimum, but **1GB** or more is recommended



Hardware Requirements for Moodle

- Memory: **512MB minimum, but 1GB or more is recommended**
- **These requirements may change based on the expected load on the system**



Hardware Requirements for Moodle

- Memory: **512MB minimum, but 1GB or more is recommended**
- **These requirements may change based on the expected load on the system**
- **For example, number of courses and expected simultaneous logins**



About Moodle Version



About Moodle Version

- **At the time of making of this series, Moodle 3.3 was the latest stable version**



About Moodle Version

- **At the time of making of this series, Moodle 3.3 was the latest stable version**
- **It is always recommended to work with the latest stable version that is available**



Prerequisites for Moodle 3.3



Prerequisites for Moodle 3.3

- **Apache 2.x (or higher version)**



Prerequisites for Moodle 3.3

- **Apache 2.x (or higher version)**
- **MariaDB 5.5.30 (or any higher version)**



Prerequisites for Moodle 3.3

- **Apache 2.x (or higher version)**
- **MariaDB 5.5.30 (or any higher version)**
- **PHP 5.4.4 +(or any higher version)**



Software used for the Series

For this series we have used the following OS and software:



Software used for the Series

For this series we have used the following OS and software:

- **Ubuntu Linux OS 16.04**



Software used for the Series

For this series we have used the following OS and software:

- **Ubuntu Linux OS 16.04**
- **Apache, MariaDB and PHP obtained through XAMPP 5.6.30**



Software used for the Series

For this series we have used the following OS and software:

- **Ubuntu Linux OS 16.04**
- **Apache, MariaDB and PHP obtained through XAMPP 5.6.30**
- **Moodle 3.3**



Spoken Tutorial: Moodle Series

This Moodle series is divided into 2 parts:



Spoken Tutorial: Moodle Series

This Moodle series is divided into 2 parts:

- **one for Moodle site administrators**



Spoken Tutorial: Moodle Series

This Moodle series is divided into 2 parts:

- **one for Moodle site administrators**
- **another for teachers**



Moodle Site Administrator: Roles and Responsibility



Moodle Site Administrator: Roles and Responsibility

Moodle Site Administrators:



Moodle Site Administrator: Roles and Responsibility

Moodle Site Administrators:

- **will install Moodle on the server**



Moodle Site Administrator: Roles and Responsibility

Moodle Site Administrators:

- **will install Moodle on the server**
- **create course categories as per institute guidelines**



Moodle Site Administrator: Roles and Responsibility

Moodle Site Administrators:

- will install Moodle on the server
- create course categories as per institute guidelines
- manage courses and user accounts for multiple courses



Teachers: Roles and Responsibility



Teachers: Roles and Responsibility

- **Teachers will be responsible for uploading and editing content for their course**



Teachers: Roles and Responsibility

- Teachers will be responsible for uploading and editing content for their course
- Create assignments and quizzes to assess the students progress



Teachers: Roles and Responsibility

- Teachers will be responsible for uploading and editing content for their course
- Create assignments and quizzes to assess the students progress
- **Enroll students to their course and communicate with them**



Summary

In this tutorial we have learnt about:

- **the concept of Learning Management Systems (LMS in short)**
- Moodle as an LMS
- **Who can use Moodle and**
- **Examples of Moodle websites**



Summary

We also learnt about the:

- **Software and hardware requirements for running Moodle**
- **Overview of the key features that will be demonstrated in the Moodle series**



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to contact@spoken-tutorial.org



Forum questions

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



Forum for specific questions

- **The Spoken Tutorial forum is for specific questions on this tutorial**
- **Please do not post unrelated and general questions on them**
- **This will help reduce the clutter**
- **With less clutter, we can use these discussion as instructional material**



Acknowledgements

- **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- **More information on this Mission is available at**

<http://spoken-tutorial.org/NMEICT-Intro>

