



## Online Training on “Learning Management System: MOODLE”

Organized by the Central Institute of Educational Technology (CIET), NCERT, New Delhi

**LMS**  
**Security, Safety Concerns**

## Empowering you to teach for life!

Our aim is to cultivate a love for learning; fostering a community of lifelong learners who are equipped to succeed in our ever-changing world and are active participants in making it a better place.



Parveen Kumar

Director, English Language and Communication

American University of Technology, Tashkent, Uzbekistan

# **LMS Safety**

## **WHY?**

- **To Safeguard Students and Teachers**
- **To Secure Organisational Data**
- **To Ensure Audits and Documentation**
- **To Establish Moodle as a Benchmark**

## **LMS Safety BUT HOW?**

- **Awareness**
- **Collaboration**
- **Prompt Actions**
- **No Neg*l*igence**
- **Reliable Delegation**

# Stay Connect with the Community

## Welcome to the Moodle community

The place to get support, ask and answer questions and contribute to the open source learning platform, Moodle LMS.

Get involved →



55,333,904+  
Courses



149,201+  
Sites



234+  
Countries

**Moodle can be integrated with antivirus software to detect and remove malware and other security threats.**

**Run Moodle Over HTTPS Only**

# The Smart Way - Be On An ALERT!

## Account and Password Security

**02**

**Regular Maintenance and Updates**

**03**

**Site and Server Configuration**

**04**

**Role and Permission Management**

**05**

**Data and Content Protection**

<https://moodle.org/mod/page/view.php?id=8722>

# Top security tips for Moodle Administrators

## What are password salting and peppering?

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**Password salting** [🔗](#) is a way of making password hashing more secure by adding a random string of characters to passwords before their hash is calculated, which makes them harder to reverse.

**Password peppering** [🔗](#) is a secret added to a password at hashing time to increase the security of the hashed password. This value differs from a salt in that it is not stored with the password hash, instead the pepper is kept separate in the config.php file. It must also be kept secret and be hard to guess. Keeping the value separate to the salt and hashed password, meaning if password hashes are compromised, it is much harder to reverse engineer the plain text passwords.

<https://moodle.com/news/top-security-tips-for-moodle-administrators/>

# Top security tips for Moodle Administrators

**The best security strategy is a good backup!**

**Test your restoration procedures!**

- **Load only software or services you will use**
- **Model your security after the layers of clothing you wear on a cold winter day**

<https://moodle.com/news/top-security-tips-for-moodle-administrators/>

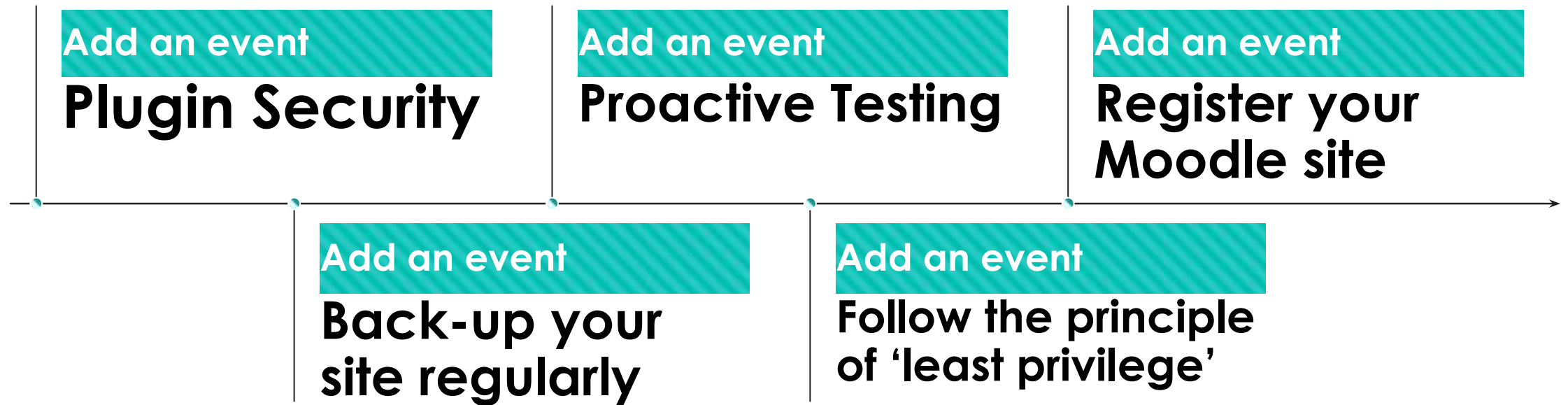
A large teal-colored shape with a diagonal line pattern, located on the left side of the slide, pointing towards the center.

# Be prepared for the worst

- **Have backups ready**
- **Practice recovery procedures ahead of time**

<https://moodle.com/news/top-security-tips-for-moodle-administrators/>

# Some More Tips:



<https://www.tituslearning.com/moodle-security/>



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## Discussion & Questions

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