

## 21-dars. LMS PLATFORMALARINING TURLARI VA VAZIFALARI

Ta'limni boshqaruv tizimlari (LMS) – elektron ta'lim dasturlarini tashkil etuvchi, amalga oshiruvchi hamda o'quvchilarning o'zlashtirish natijalari ustidan nazorat olib borish va ularni saqlab qo'yish imkoniyatini beruvchi onlayn platforma. Ta'limni boshqaruv tizimlari o'quv kursi tarkibini ishlab chiqish va uni nazorat qilish uchun markaziy joyni taqdim etish orqali o'quv jarayonini soddalashtirishga yordam beradi. Shuningdek, LMS o'quvchilarga dars vaqtida olgan bilimlarini boyitish uchun zarur qo'shimcha manbalarni ham yuborish imkoniyatiga ega qiyosi yo'q platformadir.

### BUNI BILASIZMI?



- LMS platformalarining qanday turlari bor?
- Qanday platformalar bulutli platformalar deb ataladi?
- Serverga asoslangan platformalar qanday ishlaydi?

LMS platformalari uch turga bo'linadi: bulutli platformalar, serverga asoslangan va CMS bilan integratsiyalangan LMSlar.

**LMSning bulutli platformalari.** O'quv kursining materiallari LMSning bulutli platformalarida web-xizmatni taklif etuvchining server kompyuteriga joylashtiriladi. LMSning bu turini ta'lim muassasasi yoki tashkilotning server kompyuteriga o'rnatib bo'lmaydi. LMSning bulutli platformalari web-xizmat (masalan, pochta xizmati kabi) prinsipi asosida ishlaydi, ya'ni web-xizmat taklif etilgan manzil orqali ro'yxatdan o'tgandan keyin o'quv kurslarini yaratish mumkin. Buning uchun web-xizmat o'zining serveridan joy ajratadi va barcha ma'lumotlar ushbu serverda saqlanadi. Foydalanuvchi esa bunga o'ziga kerakli materiallarini yuklashi, ta'lim oluvchilarni qo'shishi va onlayn ta'lim jarayonini yurgizishi mumkin. LMSning bulutli platformalaridan, asosan, korporativ ta'limda foydalaniladi.

*LMSning bulutli platformalari: iSpring learn, Google classroom, Schoology, Loop, Learn Amp va boshqalar.*

**Serverga asoslangan LMSlar** tashkilot yoki ta'lim muassasasining serveriga o'rnatiladi. Bu esa foydalanuvchilarga tizimga korporativ login va parol yordamida kirish imkonini beradi. Barcha

### TAYANCH TUSHUNCHALAR

- **Bulutli platforma** – o'z xizmatlarini foydalanuvchi resurslariga bog'liq bo'limgan holda taqdim etuvchi platforma.
- **Korporativ** – bir vaqtda bir necha hududdan turli pog'onalarda boshqariluvchi tarmoq.

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ma'lumotlar tashkilot yoki ta'lim muassasasi server kompyuterida saqlanadi. Buning uchun esa LMSni o'rnatish, sozlash, uning tashkilot yoki ta'lim muassasasi dasturiy ta'minotlari bilan integratsiyasini ta'minlash lozim. Asosan, ta'lim muassasalari va o'quv markazlarida foydalilanadi.

Serverga asoslangan LMSlar: Moodle, BlackBoard, Canvas, Absorb LMS va boshqalar.

**CMS bilan integratsiyalashgan LMS**larda LMS funksiyalarini bajaruvchi maxsus dasturlar CMSga qo'shiladi va CMSning imkoniyatlarini kengaytirib beradi. CMSning tarkibida alohida o'quv kurslar bilan ishlovchi qism xizmat qiladi. Bunday tizimlar onlayn maktab va kurs ochishni xohlovchilar uchun qulay hisoblanadi.

CMS bilan integratsiyalashgan LMSlar: LearnDash (wordpress), joomla, drupal, wix.

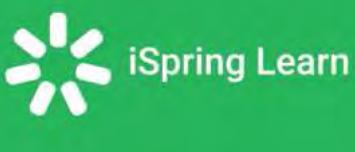
## LMS INTERFEYSI

**Schoology** (<https://www.schoology.com/>) – ta'lim muassasalari uchun mo'ljallangan bulutli LMS. Schoology Google Drive, Microsoft OneDrive, Blackboard Collaborate, Moodle, PowerSchool, Evernote va YouTube bilan birlasha oladi. Shuningdek, u maktab ma'lumotlari tizimi bilan sinxronlashadi. O'qituvchilarga o'quvchilar bilan o'quv materiallari va topshiriqlar yuzasidan fikr almashish hamda o'quvchilar va ularning ota-onalari bilan uyushgan holda aloqa o'rnatish imkoniyatini beradi.



 schoology

The screenshot shows the Schoology website's main landing page. At the top, there's a navigation bar with links for 'Tour', 'Stories', 'Connect', 'Resources', 'Blog', and 'About'. To the right of the navigation are 'LOG IN' and 'SIGN UP' buttons. The main headline reads 'PowerSchool Is Here to Help' in large, bold, white text against a blue background. Below this, a smaller text block says 'PowerSchool is doing everything we can to make it easy for districts to get up and running with distance learning.' At the bottom left is a yellow 'LEARN MORE' button. On the right side, there's a large, stylized illustration of a person standing next to a large smartphone. The phone screen displays the Schoology platform's user interface, showing various course icons and navigation elements.



iSpring Learn (<https://www.ispringsolutions.com/ispring-learn>) platformasi ta'lim muassasalari va kompaniyalarda kadrlar tayyorlash uchun ishlab chiqilgan. Biroq ayni paytda amalda asosiy mijozlari sifatida ta'lim muassasalari faoliyat yuritmoqda. Platformaning ma'ruba muharriri bo'limi yordamida modul va uning materiallari (matnli, audio, video, taqdimot, simulyator, topshiriq, test va b.) kiritiladi. Hisobotlar bo'limi yordamida foydalanuvchilar faoliyati hamda o'zlashtirish natijalari tahlili va statistikasini yuritish mumkin.

The screenshot shows the iSpring Learn platform's user interface. At the top, there is a navigation bar with links for 'My Courses', 'Events', 'Achievements', 'Catalog', and 'Knowledge Base'. On the right side of the header, there are icons for messaging, notifications, and a user profile. Below the header, a banner features a woman pointing at a wall covered in sticky notes, with the text 'Getting Started' and '1 of 3 courses completed'. Underneath the banner, there are two course items listed: 'What is Digital Marketing?' and 'What is Social Media Marketing?'. Both courses are marked as 'Completed' with green checkmarks. The overall theme of the platform is modern and professional, designed for educational institutions.

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**Google Classroom** (<https://classroom.google.com/>) – ta'lim uchun mo'ljallangan platforma bo'lib, kurs/sinfni yaratish va o'quvchilarni qo'shish, kerakli o'quv materiallarini kiritish va o'quvchilarga taqdim etish, o'quvchilarga topshiriqlar berish, ularning ishlarini baholash va faoliyatini kuzatib borish, o'quvchilar bilan muloqot qilish kabi imkoniyatlarni taqdim etadi. Google Classroomda Googleda akkauntga ega xohlagan foydalanuvchi kurs yaratishi mumkin.



The screenshot shows the Google Classroom interface. At the top, there are tabs: Лента (Feed), Задания (Assignments), Пользователи (Users), and Оценки (Grades). A blue box highlights the 'Google Classroom' icon in the top right corner. Below the tabs, the course title 'Informatika CMS' is displayed, along with a 'Код курса' (Course code) button. On the right side of the course card, there is a green background image of money and a 'Выбрать тему' (Select topic) button. At the bottom right of the card, there is a 'Загрузить фото' (Upload photo) button.



**Moodle** (Modular Object-Oriented Dynamic Learning Environment) (<http://moodle.org/>) masofaviy ta'lim olish muhiti hisoblanib, sifatli masofaviy kurslarni yaratish uchun mo'ljallangan. Bu dasturiy mahsulot dunyoning 100 dan ziyod mamlakatlarida ishlatiladi. Bepul tarqatiladigan bu dasturiy majmua o'zining funksional imkoniyatlari, o'rganishdagi soddaligi va ishlatishdagi qulayligi bilan foydalanuvchilarning ko'plab talablarini qanoatlanliga oladi.

Moodle masofaviy ta'limda o'qitish jarayonini to'la qo'llab-quvvatlash uchun keng doiradagi, jumladan, o'quv materiallarini turli usullarda berish, bilimlarni tekshirish va o'zlashtirish nazoratini amalga oshirish kabi imkoniyatlarni beradi.

The screenshot shows the Moodle course 'Digital Literacy'. The left sidebar contains navigation links: Участники, Значки, Компетенции (selected), Оценки, About this course, Background reading (selected), Group work and assessment, Extra resources, and Self-reflection. The main content area is divided into sections: 'Background reading' and 'Group work and assessment'. Under 'Background reading', there are several items: 'Video introduction', 'Download the video introduction transcript' (PDF document, 114.9KBайт), 'Join the digital literacy discussions', 'One approach to digital literacy', 'Download the 8 elements video transcript' (PDF document, 223.6KBайт), and 'Common terms used in digital literacy'. Under 'Group work and assessment', there are three items: 'Forum netiquette', 'Fun quiz: How's your Social media?', and 'Share examples of digital literacy'. Each item has a checkbox next to it. In the center of the page, there is a large orange 'm' logo with a black graduation cap resting on top of it.

**LearnDash** – ommabop kontent boshqaruv tizimi (CMS)da sinflar yaratish, ularni boshqarish, o'zgartirish va nashr etish imkonini beruvchi ishonchli pligin. Bu pligin WordPress platformasi tarkibida ishlaydi. Shu sababli, agar ta'lim muassasasi kompyuteriga WordPress o'rnatilgan bo'lsa, qo'shimcha ravishda LearnDash pliginini o'rnatgan holda o'quv kurslarini yaratish mumkin.



Pligin bir necha kursni yaratish va ularning tarkibini bitta sinfdan boshqa sinfga nusxalash imkonini ham beradi. Shuningdek, kontent tarkibidagi funksiyalar yordamida sertifikat hamda nishonlarni rasmiylashtirish mumkin.

### TAKRORLASH UCHUN SAVOLLAR

1. LMS platformalari nimaga xizmat qiladi?
2. Bulutli LMS platformalari qanday prinsip asosida ishlaydi?
3. Serverga asoslangan LMS platformalarida o'quv kurslarining ma'lumotlari qayerda saqlanadi?
4. CMS bilan integratsiyalashgan LMSlarga misollar keltiring.
5. Bulutli LMS platformalariga misollar keltiring. Masalan, Google Classroom, ... .
6. Serverga asoslangan LMS platformalariga misollar keltiring. Masalan, Moodle, ... .
7. CMS bilan integratsiyalashgan LMS platformalariga misollar keltiring. Masalan, LearnDash, ....

