

TARIX DARSLARIDA SUN'YI INTELLEKTDAN FOYDALANISHNING AFZALLIKLARI.

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<https://doi.org/10.5281/zenodo.14520886>

Annotatsiya. Sun'iy intellekt (ingliz tilida Artificial Intelligence yoki AI) - bu odamlarning aql-zakovatiga o'xshash vazifalarni bajarishga qodir kompyuter tizimlarini yaratishga qaratilgan kompyuter fanining sohasi. Boshqacha qilib aytganda, SI - bu kompyuterlarga o'rganish, muammolarni hal qilish, qaror qabul qilish va hatto ijob qilish qobiliyatini berishga harakat qiladigan texnologiyalarning yig'indisidir.

Kalit so'zlar: Sun'iy intellekt, Artificial Intelligence, tarix, SI algoritmlari.

ADVANTAGES OF USING ARTIFICIAL INTELLIGENCE IN HISTORY LESSONS.

Abstract. Artificial intelligence (AI) is a branch of computer science that aims to create computer systems capable of performing tasks similar to human intelligence. In other words, AI is a set of technologies that attempt to give computers the ability to learn, solve problems, make decisions, and even create.

Keywords: Artificial intelligence, Artificial Intelligence, history, AI algorithms.

ПРЕИМУЩЕСТВА ИСПОЛЬЗОВАНИЯ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА НА УРОКАХ ИСТОРИИ.

Аннотация. Искусственный интеллект (англ. Artificial Intelligence или AI) — область информатики, направленная на создание компьютерных систем, способных выполнять задачи, аналогичные человеческому интеллекту. Другими словами, СИ — это набор технологий, которые пытаются дать компьютерам возможность учиться, решать проблемы, принимать решения и даже творить.

Ключевые слова: Искусственный интеллект, Искусственный интеллект, история, алгоритмы СИ.

1. Interaktiv o'qitish:

- SI chatbotlari: O'quvchilar savollariga javob berishi, tushunmovchiliklarni bartaraf etishi va tarixiy mavzularni o'rganishda yordam berishi mumkin.
- Virtual ekskursiyalar: SI yordamida yaratilgan virtual muzeylar va tarixiy joylarga sayohatlar o'quvchilarni o'tmishga olib kirishi va ularning qiziqishini oshirishi mumkin.
- 3D modellar va animatsiyalar: Tarixiy voqealarni vizuallashtirish va o'quvchilarning tasavvurini boyitish.

2. Individual yondashuv:

○ O'quvchilarning bilim darajasini baholash: SI algoritmlari har bir o'quvchining bilim darajasini aniqlab, ularga moslashtirilgan o'quv materiallarini taqdim etishi mumkin.

○ O'quv jarayonini moslashtirish: SI o'quvchilarning o'zlashtirish tezligiga qarab, o'quv dasturini va materiallarini o'zgartirishi mumkin.

3. Tadqiqot va tahlil:

○ Ma'lumotlarni tahlil qilish: SI katta hajmdagi tarixiy ma'lumotlarni tahlil qilish, yangi tendensiyalarni aniqlash va tarixiy voqealar o'rtasidagi bog'liqlikni topishda yordam berishi mumkin.

○ Primer manbalarni o'rganish: SI yordamida tarixiy hujjatlarni tarjima qilish, ulardagi matnlarni tahlil qilish va o'quvchilarga ma'lumot berish mumkin.

○ Ma'lumotlarni saralash va tasniflash: SI tarixiy ma'lumotlarni saralab, tasniflab, o'quvchilar uchun qulay formatda taqdim etishi mumkin.

4. O'yinlashtirish:

○ Tarixiy o'yinlar va simulyatsiyalar: SI yordamida yaratilgan o'yinlar orqali o'quvchilar o'tmishga sayohat qilib, tarixiy vaziyatlarni simulyatsiya qilishlari mumkin.

○ Viktorinalar va testlar: SI o'quvchilarning bilimlarini sinash uchun interaktiv viktorinalar va testlarni yaratishi mumkin.

5. Baholash va qayta aloqa:

○ Avtomatik baholash: SI o'quvchilarning javoblarini avtomatik ravishda tekshirishi va baholashi mumkin.

○ Qayta aloqa berish: SI o'quvchilarga o'z xatolarini tushunish va ularni tuzatishga yordam berishi mumkin.

Sun'iy intellektning o'ziga xos xususiyatlari:

- Tezkor ma'lumotlarni qayta ishlash: SI katta hajmdagi ma'lumotlarni juda tez qayta ishlashi va tahlil qilishi mumkin.

- O'rganish va moslashish: SI algoritmlari o'quvchilarning o'zlashtirishiga qarab, o'zini moslashtirishi mumkin.

- Avtomatlashtirish: SI ko'plab o'quv jarayonlarini avtomatlashtirishi va o'qituvchilarning ishini yengillashtirishi mumkin.

- Barcha uchun qulaylik: SI o'quvchilarning har xil ehtiyojlarini qondirishi va har biriga moslashtirilgan o'quv tajribasini yaratishi mumkin.

Sun'iy intellektidan foydalanishda e'tibor berish kerak bo'lgan jihatlar:

- Ma'lumotlarning ishonchliligi: SI taqdim etayotgan ma'lumotlarning to'g'riligi va ishonchliligini tekshirish muhim.

- Shaxsiy ma'lumotlarning xavfsizligi: O'quvchilarning shaxsiy ma'lumotlarini himoya qilish choralari ko'rish kerak.

- O'qituvchining roli: SI o'qituvchining o'rnini bosmasligi, balki unga yordam berishi kerak. O'qituvchi o'quvchilarga yo'nalish berishi, motivatsiya berishi va ular bilan muloqot qilishda davom etishi kerak.

- Etik masalalar: SI algoritmlarining adolatli bo'lishi va diskriminatsiyaga yo'l qo'ymasligi muhim.

- **SI ning asosiy tushunchalari:**

- **Mashinalarni o'rganish (Machine Learning):** Bu SI ning muhim bo'limi bo'lib, kompyuterlarga ma'lumotlardan o'rganish va tajriba orttirish orqali o'z ish faoliyatini yaxshilash imkoniyatini beradi.

- **Chuqur o'rganish (Deep Learning):** Bu mashinalarni o'rganishning bir turi bo'lib, neyron tarmoqlari deb ataladigan murakkab algoritm yordamida katta hajmdagi ma'lumotlarni tahlil qilish va o'rganish imkonini beradi.

- **Tabiiy tilni qayta ishlash (Natural Language Processing):** Bu kompyuterlarga inson tilini tushunish, qayta ishlash va tahlil qilish qobiliyatini beradigan SI sohasi.

- **Kompyuter ko'rishi (Computer Vision):** Bu SI ning kompyuterlarga rasmlarni va videolarni "ko'rish", tahlil qilish va ulardan xulosa chiqarish qobiliyatini beradigan sohasi.

- **Robotics:** SI robotlar va boshqa mexanik qurilmalarni boshqarish va ularning harakatini avtomatlashtirish uchun ishlatiladi.

- **SI ning turlari:**

- **Tor (Weak) SI:** Ushbu turdagi SI faqatgina bir yoki bir nechta aniq vazifalarni bajarishga mo'ljallangan. Ko'pchilik SI ilovalari bugungi kunda shu turga kiradi (masalan, ovozli yordamchilar, tavsiya tizimlari, o'yin o'ynaydigan dasturlar).

- **Umumiy (Strong) SI:** Ushbu turdagi SI odamlarning aql-zakovatiga o'xshash har qanday vazifani bajarishga qodir bo'ladi. Hozircha bu turdagi SI faqatgina ilmiy fantastika doirasida mavjud.

- **O'ta (Super) SI:** Bu SI ning eng rivojlangan turi bo'lib, u inson aql-zakovatidan ham oshib ketishi mumkin. Uning potentsial xavflari va imkoniyatlari hali aniq emas.

- **SI ning qo'llanilish sohalari:**

- SI bugungi kunda juda ko'p sohalarda qo'llanilmoqda:

- **Sog'liqni saqlash:** Kasalliklarni tashxislash, dori yaratish, bemorlarni kuzatish.

- **Moliyaviy soha:** Kredit risklarini baholash, firibgarlikni aniqlash, investitsiya strategiyalarini yaratish.

- **Transport:** Avtonom transport vositalari, yo'l harakatini optimallashtirish.

• **Ta'lim:** Individual o'quv dasturlarini yaratish, o'quvchilarning bilimini baholash, avtomatlashtirilgan yordam berish.

• **Ishlab chiqarish:** Sifat nazorati, ishlab chiqarish jarayonlarini avtomatlashtirish, ta'minot zanjirini boshqarish.

• **Marketing:** Mijozlar xulq-atvorini tahlil qilish, reklama kampaniyalarini optimallashtirish.

• **Xavfsizlik:** Yuzni tanish, kiber hujumlarni aniqlash.

Xulosa

Sun'iy intellekt tarix darslarida o'quv jarayonini yanada interaktiv, qiziqarli va samarali qilish imkoniyatini yaratadi. Biroq, undan oqilona foydalanish va o'qituvchilarning roli va o'quvchilarning shaxsiy xususiyatlarini inobatga olish muhim. SI texnologiyalari tarixni o'rganishni yanada chuqurroq va unutilmas qilishga yordam berishi mumkin.

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