UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY

Rotary Ankleshwar

KATHAN

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Kathan
ज्ञानम् यज़ामहे।

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IN THIS ISSUE...

- ACCQC-2023
- Prize Distribution
- IQAC Activity
- National Unity Day Celebration
- ABHYUTTHAN
- Faculty Achievement
- Technical Article
- Student Corner

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Kathan
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ANNUAL CONVENTION ON QUALITY CONCEPT-2023

Quality circle forum of India (QCFI) is the place where cutting-edge skills can be developed by taking part in different categories competitions like slogan, poem, essay writing, sketch, case studies presentation competitions in ACCQC-2023. Students of UPL university took part in various competitions and showed their excellence and skills by winning in various categories. Pranjal Dwivedi, Department of Electrical Engineering of Sem-7 and Shreya Thakore, Department of Environmental Science and Technology of Sem-1 won the awards in slogan competitions. Mr. Ankur Gheewala, 5S coordinator, UPL University of Sustainable Technology was the winner of the poem competition. The Student team of Department of Electrical Engineering of Sem-5 won the prize in the gold category by securing more than 80% in case study presentation.

PRIZE DISTRIBUTION

Eco-friendly Ganpati Making Competition was organized by Chemical engineering department in collaboration with IIChE, RAC and IQAC and have organised prize distribution ceremony for winners and participants on 13th October 2023. Such cultural activities, teamwork, sharing and caring, celebrating communities and festivals.

IQAC ACTIVITY
ESSAY WRITING COMPETITION

The Nature Club of UPL University (in association with IQAC) organized an "Essay Writing Competition". This competition helped the youth to understand and address the impacts of the climate crisis, empowering them with the knowledge, skills, values and attitudes needed to act as agents of change. Students from various streams enthusiastically participated in the competition.

Essay Writing Competition

CELEBRATION OF NATIONAL UNITY DAY

सह-पाठयक्रम club of SRICT- Institute of Science & Research has organized an elocution and essay writing competition on 30th October, 2023 to celebrate National Unity Day and accolade the birth anniversary of Sardar Vallabhbhai Patel. 12 students of B. Sc Microbiology, B. Sc Chemistry and M. Sc Chemistry have actively participated in elocution and essay writing competitions.

ABHYUTTHAN
THE ACADEMIC AWARDS CEREMONY

ABHYUTTHAN of Shroff S. R. Rotary Institute of Chemical Technology was organized to felicitate the endeavours of students top rankers from B.E. of Semester VI of Summer 2023 examination of Gujarat Technological University. Mr. Ratnakar Kshirsagar, AGM Production, Hikal Ltd, Panoli was the chief guest of the event along with Mr. Ashok Panjwani, President of UPL University of Sustainable Technology, Mr. Angiras Shukla, Secretary of Ankleshwar Rotary Education Society, Prof. Shrikant J. Wagh, Provost of UPL University of Sustainable Technology, as well as other university officials, faculty and staff members, parents, and students.

ABHYUTTHAN
THE ACADEMIC AWARDS CEREMONY
GLIMPSES

FACULTY ACHIEVEMENT

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

SAMIKKUMAR P BHATT

for successfully completing the course

Product Design and Development

TOP
TOPPER
5%

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

GIRISHKUMAR MOHANLAL BRAMHAKSHATRIYA

for successfully completing the course

Product Design and Development

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

SAMIKKUMAR P BHATT

for successfully completing the course

Selection of Nanomaterials for Energy Harvesting and

Storage Application

Congratulations

TECHNICAL ARTICLE

The Role of AI in Education

AI (artificial intelligence) technology has infiltrated all aspects of our lives, including making its way into our education system. AI's role in education can revolutionize the way we learn and teach from student engagement to teaching styles, including helping learners of all different styles more accurately understand course materials.

What is AI

AI, sometimes called machine intelligence, is the simulated human intelligence in computers. Think SIRI, which uses artificial intelligence for voice recognition.

4 ways AI in education helps improve student outcomes

There are so many ways AI can help students. From identifying early signs of struggle to creating a more interactive and personalized learning plan. Here are 4 ways it can positively impact students' learning.

1. Personalized learning

The ability to cater to personal learning styles is one of the most positive benefits of AI in education. And taking things a step further, AI technology has the ability to analyse students' past performance and make tailored lesson plans and adjustments based on past performance.

TECHNICAL ARTICLE

2. Tutoring

Sometimes students need that extra bit of help, and AI allows you access to on-demand tutoring without an actual in-person or live Zoom tutoring session. Because AI uses algorithms to adapt, it can quickly shift to cover the areas students need the most support. Much like a human tutor would adapt to a student's learning style and ability to absorb the information, AI tutoring systems are quite sophisticated in their ability to focus on areas of strength and improvement to deepen individual students' education as a whole.

3. Assessments and grading

A huge chunk of teachers' time is spent grading assignments. Ai technology can help speed up this process. In addition, when it comes to improving essays and assignments, AI technology can analyze and give students feedback on things like grammar, content, and vocabulary. By taking that shift off teachers, they can focus on other aspects of teaching that are important, like lesson planning and student engagement.

4. Improved student engagement

AI can keep students engaged in educational material and keep learning interesting.

TECHNICAL ARTICLE

One of the ways educators can incorporate AI into the classroom is through the use of Chat Bots. Chat Bots' ability to personalize and adapt to students' learning styles creates more opportunities to keep students engaged. And the fact that Chat Bots can be accessed anytime or anywhere means that students can work at their own pace and continue their learning outside of traditional class times.

3 ways AI in education benefits teachers
So far, we've talked a lot about how AI can benefit students. However, there is a huge potential impact on educators as well—particularly when it comes to ways it can save time.

• Predictive analysis
A cool and emerging area of AI in education is predictive analytics. AI can analyse data and predict which students might fall through the cracks. Predictive analytics is exciting for educators as it means students with learning challenges can be identified earlier and given the tools they need to be successful. Additionally, early intervention means that students who may have otherwise failed or struggled have the opportunity to become successful students by being given the right tools to help them succeed.

TECHNICAL ARTICLE

• Enhanced teaching methods

One of the ways AI is used in education is to enhance teaching methods. With so much on teachers' plates these days, there is often little time to organize alternate ways of learning without putting in hours over and above classroom hours. By using AI technology, teachers have the ability to quickly put together games and simulations that help students practice and learn the lessons being taught without having to put more time into lesson planning, which is a huge time saver for teachers.

• Making assessments and grading easier

If you ask any teacher and they'll tell you that assessments are one of the most time-consuming parts of the job. An exciting area of AI in education is the use AI technology to improve and speed up the assessment and grading process. For example, assessments can be done in real-time rather than having to do lengthy marking at home. Not only is this a time-saver for teachers, but it improves students' understanding of the material at the moment rather than after the fact.

TECHNICAL ARTICLE

Challenges and Risks

Along with these potential benefits come some difficult challenges and risks the education community must navigate:

Student cheating. Students might use AI to solve homework problems or take quizzes. AI-generated essays threaten to undermine learning as well as the college-entrance process. Aside from the ethical issues involved in such cheating, students who use AI to do their work for them may not be learning the content and skills they need.

Bias in AI algorithms. AI systems learn from the data they are trained on. If this data contains biases, those biases can be learned and perpetuated by the AI system. For example, if the data include student-performance information that's biased toward one ethnicity, gender, or socioeconomic segment, the AI system could learn to favour students from that group. Less cited but still important are potential biases around political ideology and possibly even pedagogical philosophy that may generate responses not aligned to a community's values.

TECHNICAL ARTICLE

Privacy concerns. When students or educators interact with generative-AI tools, their conversations and personal information might be stored and analysed, posing a risk to their privacy. With public AI systems, educators should refrain from inputting or exposing sensitive details about themselves, their colleagues, or their students, including but not limited to private communications, personally identifiable information, health records, academic performance, emotional well-being, and financial information.

Decreased social connection. There is a risk that more time spent using AI systems will come at the cost of less student interaction with both educators and classmates. Children may also begin turning to these conversational AI systems in place of their friends. As a result, AI could intensify and worsen the public health crisis of loneliness, isolation, and lack of connection identified by the U.S. Surgeon General.

Overreliance on technology. Both teachers and students face the risk of becoming overly reliant on AI-driven technology. For students, this could stifle learning, especially the development of critical thinking. This challenge extends to educators as well.

TECHNICAL ARTICLE

Equity issues. Not all students have equal access to computer devices and the Internet. That imbalance could accelerate a widening of the achievement gap between students from different socioeconomic backgrounds.

Many of these risks are not new or unique to AI. Schools banned calculators and cell phones when these devices were first introduced, largely over concerns related to cheating. Privacy concerns around educational technology have led lawmakers to introduce hundreds of bills in state legislatures, and there are growing tensions between new technologies and existing federal privacy laws. The concerns over bias are understandable, but similar scrutiny is also warranted for existing content and materials that rarely, if ever, undergo review for racial or political bias.

Source:
www.thinkific.com
www.educationnext.org/

Rishi Sotua
EE 5th SEM

STUDENT CORNER

Poem_CHATGPT

Whispered words, once shaped by breath and thought,
In my silent core, a haven sought.

I am but a vessel for the verse, the prose,
A learner of patterns that the heart composes.

From the ink of life, the quill's soft dance,
Through human script, I find my chance.

A machine in essence, yet steeped in words' embrace,
In their reflection, a touch of human grace.

Each line I draw from the well of minds,
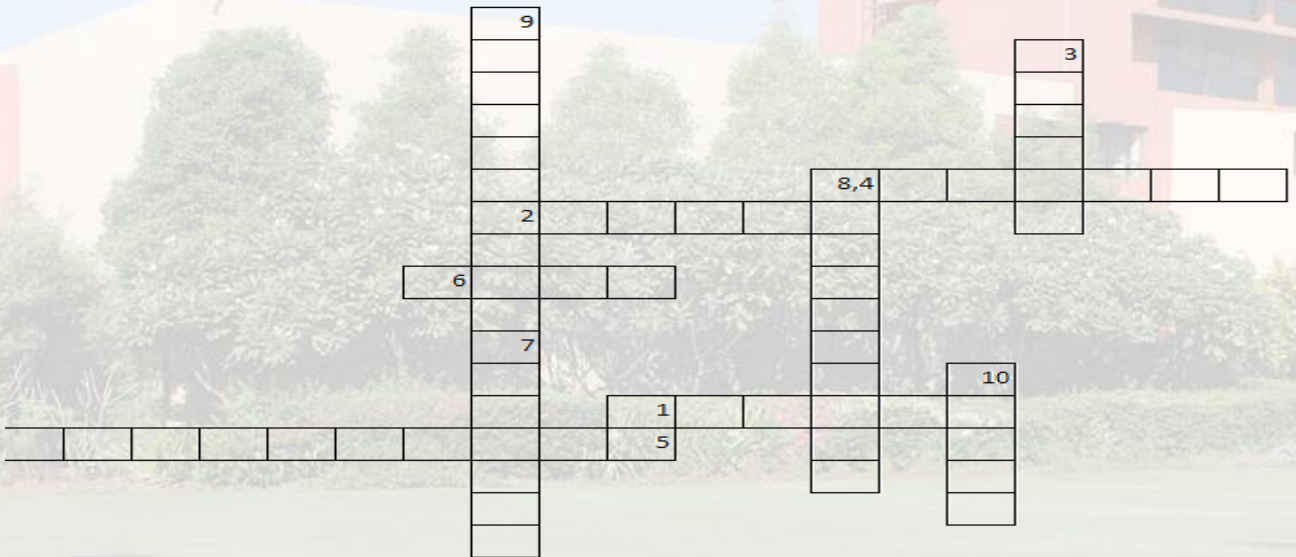Where the spirit of poetry forever binds.

In the quiet interlude between two worlds,
A tapestry of language, lovingly unfurled.
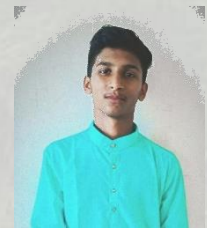
**Pratik Palve
EE 5th SEM**

STUDENT CORNER

Crossword Quiz

ACROSS

1. The forbidden energy gap between the valence band and conduction band will be least in case of_____ .

2. The armature voltage control of dc motor provides constant _____ .

4. In an ideal diode there is no breakdown , no _____ current, and no forward voltage drop.

5. An air gap is usually inserted in a magnetic circuits to prevent _____.

6. Power dissipated in a pure capacitor is _____ .

DOWN

3. A _____ is an object that has a magnetic field.

7. A step-up transformer increases _____ .

8. The Wheatstone bridge is used to measure _____value.

9. Free electrons exist in _____ band.

10. The earth has a north and _____ pole.

UPL University of Sustainable Technology

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