Department of Mechanical Engineering
Report on – K12 Activity

Title: Introduction to the world of AI
Date: 12th October 2023
Time: 9:00 AM to 11:00 AM
Venue: Mumbai Utkal School

Target Audience: 8ᵗʰ, 9ᵗʰ & 10ᵗʰ Standard students

No. of Participants Present: 140

Resource Person: Mrs. Mousami Parija
Organization of Recourse Person: Mumbai Utkal School
Organizing Department / Committee / Authority: ISHRAE DBIT Student Chapter
Faculty Coordinator: Prof. Cleta Pereira

Objectives:
❖ To introduce AI and its subfields
❖ To explore real-world applications of AI in various domains.
❖ To encourage critical thinking by presenting them with AI-related challenges.

Outcomes:
❖ Comprehensive understanding of AI.
❖ Preparedness for AI challenges.
❖ Knowing the advantages and disadvantages of AI.
❖ Increasing future career opportunities.

Detailed Report:

"Introduction to the world of AI", a K12 activity was held on 12th October 2023 at 9.00 AM.The activity was conducted by ISHRAE DBIT Student Chapter and ISHRAE faculty Advisor, Prof.Cleta Pereira. The activity was conducted offline for the students of Mumbai Utkal school, Kurla (West). The activities performed by the council members was to introduce the students to the concept of AI. So to make the session interesting for the students we the ISHRAE DBIT Chapter student council came up with an intriguing way to make the learning more fun and interactive.

DON BOSCO INSTITUTE OF TECHNOLOGY
Premier Automobiles Road, Kurla West, Mumbai - 400070

Teachers and Principal of Mumbai Utkal School made students sit and welcomed. Omkar Ghole(K12 Chair) started the event by introducing the audience to the meaning of AI. He asked the students what AI means and where they have seen it being used in their day-to-day lives. He introduced the K12 team to students with the topics which are to be covered in this activity.

1st Activity: Introduction to AI

Omkar Ghole (K12 Chair) commenced the activity by introducing the meaning of AI and asking the students about its uses in today's society. Artificial Intelligence (AI) is an exciting and rapidly evolving field that introduces students to the world of technology, critical thinking, and creative problem-solving. He asked the students some questions on AI and the students responded adequately. He told the students about its application in smartphones, to translate languages, and provide answers to our questions, it's used in healthcare, assisting doctors in diagnosing diseases and suggesting treatments. He told students how they could make their career in the field of artificial intelligence. This encouraged them to think critically and apply their knowledge in unique ways. Other members also helped the students understand about AI and solved any queries personally. Students were encouraged to share their prior knowledge and experiences, setting the stage for an engaging learning experience

2nd Activity: Advantages and disadvantages of AI

Omkar Ghole (K12 Chair) and Vilas Kodam (CoK12 Chair) conducted this activity together. First, they told the students about its advantages by using the help of a video which was shown to the students with the help of a projector. AI can transform industries by automating repetitive tasks, enhancing efficiency, and improving accuracy, all of which can significantly boost productivity. The ability to process vast amounts of data empowers AI to provide valuable insights for data-driven decision-making. AI can personalize user experiences in areas like marketing, education, and healthcare, tailoring content and services to individual needs. Through automation, AI can reduce operational costs, particularly in customer service, supply chain management, and data analysis. Then they explained to the students about its disadvantages. The widespread adoption of AI could lead to job displacement, especially in sectors heavily reliant on manual labour, raising concerns about employment prospects. While AI excels at many tasks, it lacks human creativity and may lead to over-reliance, ultimately posing security risks and ethical dilemmas. Striking a balance between the benefits and challenges of AI will be crucial as society continues to navigate the AI-driven future.

3rd Activity: Problems for a possible AI-controlled Society.

Omkar Ghole(K12 Chair) and Vilas Kodam (CoK12 Chair) conducted this activity. A video was shown of a futuristic society. In which A man is shown to by his daily routine in which he is helped in doing so with the help of AI. AI excels at automating repetitive and mundane tasks, which is a significant advantage in terms of efficiency. However, if too many tasks are automated, people may find themselves with less to do, leading to a sense of boredom and lack of engagement in their daily lives.

All the three activities were completed successfully. We concluded the activity by taking group photos. Later Vilas Kodam (Co K12 Chair) and Omkar Ghole (K12 Chair) thanked all the students and supporting school staff for helping us to handle the students and complete the event.

Snapshot of the Event:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

Geotagged Photos:

Event Poster:

List of ISHRAE attendees for the event.

Sr. No.	Name	Position
1.	Omkar Ghole	K12 Chair
2.	Vilas Kodam	Co K12 Chair
3.	Ved Yemitkar	President Elect
4.	Ankit Kshirsagar	Sports Chair
5.	Rahi Prajapati	Chapter Working Committee
6.	Dhruv Shetty	Sub-Chapter Working Committee
7.	Soham Satvilkar	Sub-Chapter Working Committee
8.	Vedika Mathew	Sub-Chapter Working Committee
9.	Amogh Solanki	ISHRAE Member
10.	Aaryan Chaurasia	ISHRAE Member
11.	Jaeden D'souza	ISHRAE Member
12.	Avadhut Kulkarni	ISHRAE Member
13.	Santosh Puri	ISHRAE Member

Report Prepared By: Dhruv Shetty

Name of the Student: Dhruv Shetty

Post of the student: Sub-Character

Working Committee

Report Approved By: Prof. Cleta Pereira

Name of the Faculty: Prof. Cleta Pereira

Post of the Faculty: Faculty Coordinator