



DON BOSCO INSTITUTE OF TECHNOLOGY

**AICTE APPROVED, AFFILIATED TO MUMBAI UNIVERSITY,
ISO 9001:2015, NAAC ACCREDITED WITH B++ GRADE**

DEPARTMENT OF MECHANICAL

ENGINEERING

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DBIT STUDENT CHAPTER**

**REPORT ON K-12 ACTIVITY
(TIPS AND TRICKS IN MATHS AND SCIENCE)**

23 March, 2022

Document Title: K 12		
Document No. 01 DBIT/MECH/REPORT/SC/IS HRAE/01	Revision No.: 01	Issue No.: 01
Issue Date: 02 MAY 2021		

“Tips and tricks of Maths and Science”, a K12 activity was held on 23 March at 9.30AM. The activity was conducted by ISHRAE DBIT Student Chapter and ISHRAE faculty Advisor, Prof. Cleta Pereira. The activity was conducted offline with the students of Shishu Vikas Mandir, Kurla (West). Aim of this event was to make the budding generation aware of the technical world with twist of fun learning and the event was conducted with great enthusiasm. The activities performed by the council members was a great example of fun, plus the knowledge gained was appraised to be helpful for the school-going children during the lockdown period, which may help students to find their interest in the field of science and to overcome their fear of math's and science.

So, to make the event more appealing and to grab the attention of small children, we – the student council of ISHRAE DBIT Chapter – came up with a thought-provoking idea of experiments related to science and also gave some views on Vedic maths which proves to be helpful in solving math problems.

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We kept three sessions of 20 minutes each and our council members performed and explained the planned physical experiments. The first session was held by Jerom Biju (Elect secretary). He performed an experiment related to sanitizer and secret message and its uses. Furthermore, he explained it in an entertaining way by using sanitizer and lemon which helped the students to understand why we should use semi liquid sanitizer instead of liquid sanitizer for their daily needs



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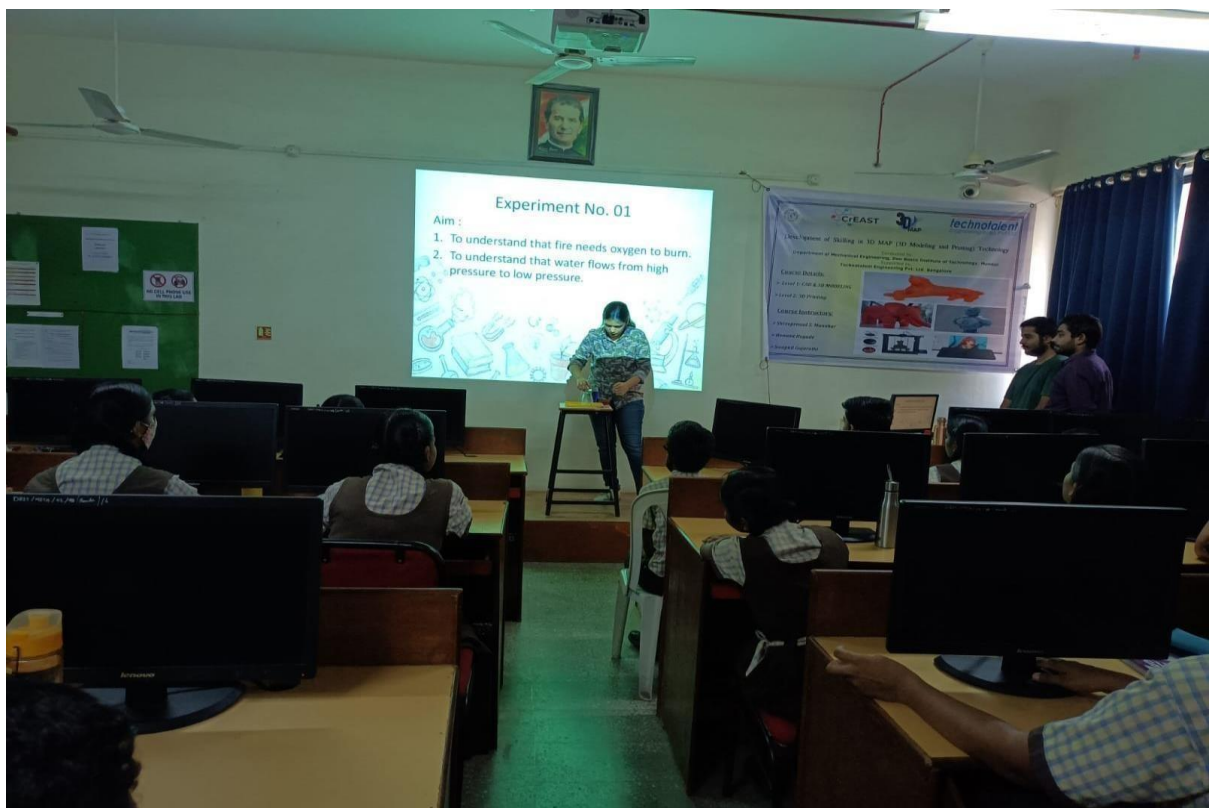
Second session was to free the minds of students, and we held music by Bhavesh Wallecha (Technical Head). It was full of enthusiasm where many students participated in singing with him.



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The next experiment was conducted by Gauri Patil(CWC). In this experiment she conducted two experiment first was on need of oxygen to burn air and water flowing from high pressure to low pressure. She explained why water flows from high pressure to low pressure.



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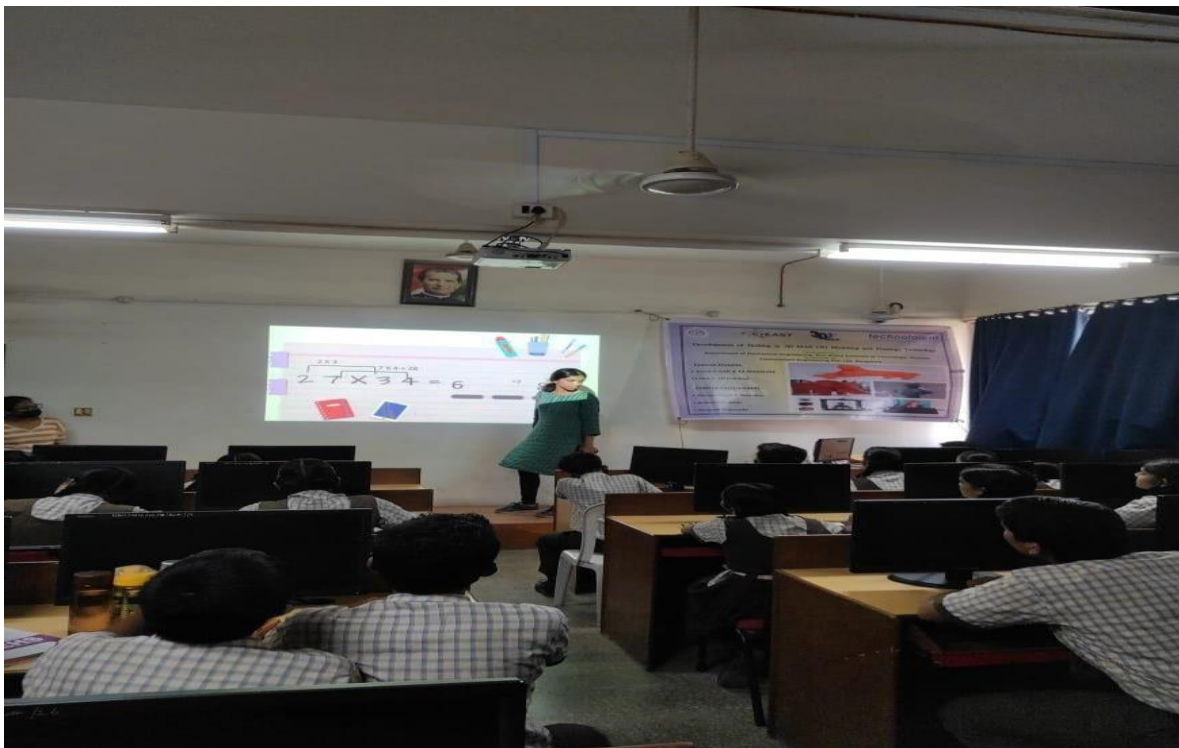
Next event was a quiz round was held by Simran Ahinwale (Elect President). In this session she asked five simple fun quiz questions to the students, and those who answered the question were given gifts. It was a relaxing and entertaining session for the students



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Last but not least was of Vedic maths, and was held by Anuranjini Komban (CWC). It was full of enthusiasm where many students participated in solving math problems after explaining the tips and tricks for solving maths in a very short time.



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Therefore, the motive of making the students aware of areas like use of semi liquid sanitizer and need of oxygen to burn in air was explained. Also, the members of ISHRAE student chapter got an opportunity to organize and manage a creative event for small children. Active participation of students and team work of the student chapter members made this session a huge success

A group photo of the students with the ISHRAE CWC members, president, faculty advisor.



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