



DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

ISHRAE
Thane Chapter

Department of Mechanical Engineering Report on – K12 Activity

Title: Vedic Maths for Primary Student's

Date: 6th October 2023

Time: 12:00 PM to 2:00 PM

Venue: Mumbai Utkal School

Target Audience: 1st, 2nd, 3rd & 4th Standard students

No. of Participants Present: 240

Resource Person: Mrs. Mousami Parija

Organization of Recourse Person: Mumbai Utkal School

Organizing Department / Committee / Authority: ISHRAE DBIT Student Chapter

Faculty Coordinator: Prof. Cleto Pereira

Objectives:

- ❖ To perform calculations with greater speed and accuracy than traditional methods.
- ❖ To introduce primary students to fundamental mathematical concepts such as place value, multiplication tables, factors, and divisibility rules.
- ❖ To explore Vedic math techniques beyond the primary curriculum if they show interest and aptitude.

Outcomes:

- ❖ Preparation for Higher Learning.
- ❖ Faster Problem Solving.
- ❖ Development of Concentration and Focus.
- ❖ Enjoyment of Mathematics.

Detailed Report:

“Vedic Maths for Primary Students”, a K12 activity was held on 06th October 2023 at 12.00 APM. The activity was conducted by ISHRAE DBIT Student Chapter and ISHRAE faculty Advisor, Prof. Cleto Pereira. The activity was conducted offline with the primary students of Mumbai Utkal school, Kurla (West). The activities performed by the council members was to actively engage students to learn Vedic Maths techniques on simple mathematical operations. 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 activities.



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Teachers and Principal of Mumbai Utkal School made students sit and welcomed. Vilas Kodam (Co K12 Chair) started the event explaining what is Vedic maths and its importance. He asked students what they are learning in mathematics as curriculum. He introduced K12 team to students with the topics which are to be covered in this activity.

1st Activity: Basic Addition & Subtraction

Jaeden D'souza (ISHRAE Member) commenced the activity with Basic Addition. He showed students the steps of Addition & gave them some tips and tricks to solve. Students followed the instructions & started following tricks that helped them to quickly solve the problems. Team helped students individually to make and let them understand the steps. Amogh Solanki (ISHRAE Member) guided the students in effortlessly solving subtraction problems, boosting their confidence and turning the session into an engaging and enjoyable experience. Students were given creative problems that required them to use Addition and Subtraction to find Solutions. This encouraged them to think critically and apply their knowledge in unique ways. Students were Encouraged to share their prior knowledge and experiences, setting the stage for an engaging learning experience

2nd Activity: Basic Multiplication Tricks

Ved Yemitkar (President Elect) conducted this activity which showed the basic Multiplication & playing with Numbers can be both Entertaining & Intellectually Stimulating. Students Demonstrated their Enthusiasm while relishing the challenges of solving sums, having mastered the trick that made it enjoyable. A dedicated segment for questions and discussions allowed students to seek clarification on any aspects of subtraction they found challenging. This Interactive dialogue encouraged active engagement and ensured that every student's concerns were addressed. For this activity each Member helped Students for smooth conduction of activity. Students energetically completed the Challenging Questions. Students who all completed the activity at earliest were applauded.

3rd Activity: Exploring the Joy of Multiplication Tables.

Vilas Kodam (Co K12 Chair) and Ankit Kshirsagar (Sports chair) conducted this activity. Incorporating multiple senses, students engaged in activities that involved physical movement, such as flashcards and chant repetitions. This multisensory approach helped reinforce memory retention. A series of creative and memorable tricks were introduced to facilitate easier memorization of multiplication tables. These included techniques like using fingers as visual aids, applying patterns and shortcuts, and employing mnemonics to link facts. In this manner, every student absorbed and recognized the newfound knowledge.

All the three activities were completed successfully. We concluded the activity by taking group photos. Later Vilas Kodam (Co K12 Chair) thanked all the students and supporting school staff for helping us to handle the kids and successful completion of event. Lastly, we distributed chocolates to students before leaving the hall.



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Snapshot of the Event:





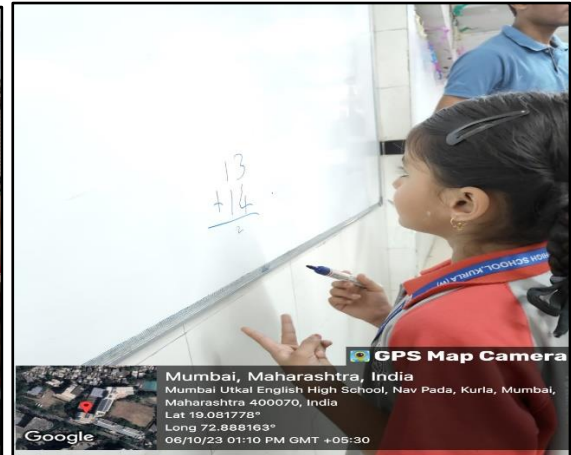
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Geotagged Photos:










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Event Poster:




    

DON BOSCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ISHRAE STUDENT CHAPTER
PRESENTS
K-12 ACTIVITY
VEDIC MATHS
FOR STUDENTS OF UTKAL SCHOOL
LEARN, PLAY AND GROW
FUN ACTIVITIES FOR
1ST TO 4TH STD

 **6 October, 2023**
1pm - 3pm

 **Utkal School,**
Kurla

FOR MORE DETAILS CONTACT
OMKAR GHOLE : 8108688942
K12 CHAIR





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List of ISHRAE attendees for the event.

S. No.	Name	Position
1.	Vilas Kodam	Co K12 Chair
2.	Ved Yemitkar	President Elect
3.	Ankit Kshirsagar	Sports Chair
4.	Jaee Hindalekar	Women in ISHRAE
5.	Avadhut Kulkarni	ISHRAE Member
6.	Vedika Mathews	ISHRAE Member
7.	Rahi Prajapati	ISHRAE Member
8.	Soham Satvilkar	ISHRAE Member
9.	Amogh Solanki	ISHRAE Member
10.	Aryan Chaurasiya	ISHRAE Member
11.	Jaeden D'souza	ISHRAE Member
12.	Dhruv Shetty	ISHRAE Member

Report Prepared By: Rahi Prajapati

Name of the Student: Rahi Prajapati

Post of the student: ISHRAE Member

Report Approved By: Prof. Cleto Pereira

Name of the Faculty: Prof. Cleto Pereira

Post of the Faculty: Faculty Coordinator