



# DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070



## Department of Mechanical Engineering Report on – K12 Activity

**Title: Creative Thinking and Innovations**

**Date: 12th December 2023**

**Time: 1.30 pm to 4.30 pm**

**Venue: Don Bosco Institute of Technology, Kurla**

**Target Audience: Students of CES's Michael High School, Kurla**

**No. of Participants Present: 30**

**Resource Person: Ms. Samina**

**Organization of Recourse Person: CES's Michael High School, Kurla**

**Organizing Department / Committee / Authority: ISHRAE DBIT Student Chapter**

**Faculty Coordinator: Prof. Cleto Pereira**

### Objectives:

- ❖ Encourage imaginative thinking.
- ❖ Develop problem-solving abilities.
- ❖ Build spatial awareness as kids visualize and assemble

### Outcomes:

- ❖ Fosters imaginative thinking and creativity.
- ❖ Develops critical thinking and problem-solving abilities
- ❖ Enhanced fine motor skills through the manipulation of small LEGO bricks
- ❖ Cultivates patience and persistence as children work through the process of building and refining their models.

### Detailed Report:

“Creative Thinking and Innovations”, a K12 activity was held on 12th December 2023 at 1.30 pm. The activity was conducted by ISHRAE DBIT Student Chapter and ISHRAE faculty Advisor, Prof. Cleto Pereira. The activity was conducted offline for the students of CES's Michael High School, Kurla. The activities performed by the council members was to make the students capable on hand building models and enhancing creativity. 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 process more fun and interactive.

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The session started with an interactive discussion between the students and Prof. Cleto Pereira making them familiar with the environment they are being in for the next 2-3 hrs in learning. This was then continued by explaining them about creative thinking and innovations and explaining them the meaning of this concept.

Post which Prof. Cleto Pereira continued talking about the LEGOs, Mechanic models that the students were going to build on their own in this session.

The session was started by telling them to construct their models referring to the designs provided in a book available in their kits. Students enjoyed the building process and then they finished with models within an hour. Which gave them the importance of creativity, explaining them about the modifications they can make in these models on their own. This approach made the students think about inserting their creativity in those models.

The secondary half of the session started with rebuilding any of the models the students wanted giving their personal special touch to those models enhancing the process of innovations and creative thinking. The session was concluded then by prof Cleto Pereira thanking them all for the beautiful response they have given and the amount of energy they have put in this session.

Thus, ending the session.

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## Snapshot of the Event:

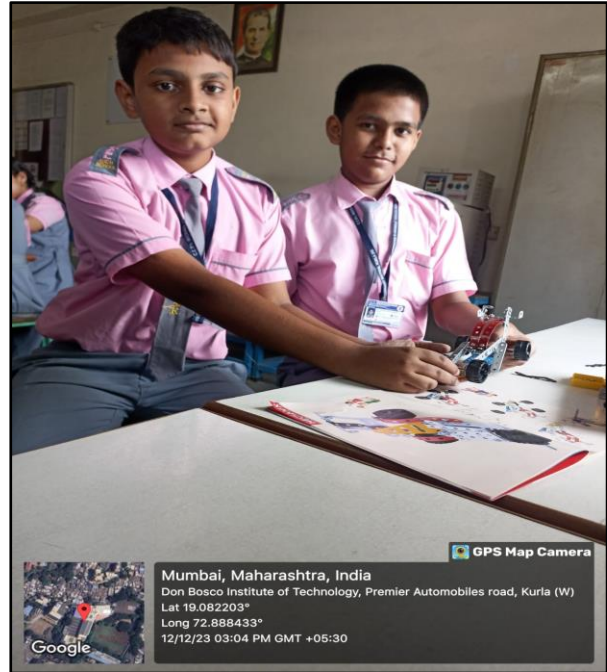




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## Geotagged Photos:





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ISHRAE  
Thane Chapter

Event Poster:

**DON BOSCO INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ISHRAE STUDENT CHAPTER**  
PRESENTS

**K-12 ACTIVITY**

**CREATIVE THINKING  
AND  
INNOVATIONS**

FOR STUDENTS OF  
CES'S MICHAEL HIGH SCHOOL

 **12TH DECEMBER 2023**  
**11:00 AM - 1:00 PM**

 **DON BOSCO INSTITUTE OF TECHNOLOGY, KURLA**

FOR MORE DETAILS CONTACT  
OMKAR GHOLE : 8108688942  
K12 CHAIR



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ISHRAE  
Thane Chapter

## List of ISHRAE attendees for the event.

Sr. No.	Name	Position
1	Sahil Jadhav	Secretary
2	Jaee Hindalekar	Environment chair
3	Vilas Kodam	Co K-12 chair
4	Rahi Prajapati	Chapter Working Committee
5	Soham Satvilkar	Sub-Chapter Working Committee

**Report Prepared By:** Soham Satvilkar

**Name of the Student:** Soham Satvilkar

**Post of the student:** Sub-Chapter Working  
Committee

**Report Approved By:** Prof. Cleto Pereira

**Name of the Faculty:** Prof. Cleto Pereira

**Post of the Faculty:** Faculty Coordinator