

# **REPORT**

on

## **Anveshana 2025**

### **Science & Engineering Fair**

Date : 18<sup>th</sup> & 19<sup>th</sup> February, 2025



**Centurion**  
**UNIVERSITY**

*Shaping Lives...*  
*Empowering Communities...*

Organized by  
**School of Engineering and Technology, BBSR**

in collaboration with  
**Agastya International Foundation**  
and  
**Synopsys (India) Pvt. Ltd.**

**Centurion University of Technology and Management,  
Odisha, India**

## Introduction :

**Anveshana 2025** is a science and engineering competition that culminates in a fair where students showcase their **innovative projects and models**. This annual event fosters innovation and scientific temperament by providing a collaborative platform for young minds to develop **solutions for real-world challenges**. A key aspect of **Anveshana** is the mentorship of underprivileged school students by undergraduate engineering students. Together, they engage in **hands-on learning and research-oriented project development**, transforming engineering and science concepts into functional models. The competition encourages interdisciplinary **research and development**, inspiring participants to apply their knowledge in practical and impactful ways.

### **About Agastya International Foundation:**

Agastya International Foundation is a non-profit organization dedicated to transforming education in India by making learning more hands-on and experiential. Through mobile science labs, innovation hubs, and teacher training programs, Agastya empowers students with the curiosity and skills needed for scientific exploration and problem-solving.

### **About Synopsys:**

Synopsys is a global leader in electronic design automation (EDA) and semiconductor intellectual property. The company provides cutting-edge solutions for silicon design and verification, ensuring high-performance computing and AI-driven advancements. Synopsys collaborates with academia to promote research and innovation in technology-driven domains.

### **Theme of Anveshana 2025:**

The theme for Anveshana 2025 focused on "**Innovative Solutions for a Sustainable Future**." Participants were encouraged to develop projects that address sustainability challenges in areas such as renewable energy, waste management, smart infrastructure, and environmental conservation.

The Bhubaneswar edition of **Anveshana 2025** witnessed enthusiastic participation from a total of **25 teams**. Around **170 school and college students** from various states **across India** actively engaged in the competition, presenting their unique **projects and innovations**.

## Key Activities :

- **Inauguration:** The event commenced with an inaugural session, The welcome address was delivered by **Mr. Alok Dwivedi**, (Program Manager, Agastya International Foundation) followed by an address by the **Chief Guest, Dr. Supriya Pattanayak, Vice Chancellor, CUTM, Odisha**. She emphasized the role of innovation in shaping the future of science and engineering. Followed by the book launch of “**100 Times Curious**” and a keynote Address by **Mr. Mrinal Das** (R&D Engineering, Sr Director TPG, HW Analytics & Test, Synopsys). In addition to that Guest of Honour **Ms. Shubhasmita Sahoo** (R&D Engineering, Sr Engineer TPG, HW Analytics & Test, Synopsys) and **Dr. Sujata Chakravarty**, (Dean, SoET, CUTM, Bhubaneswar) shared few valuable words.
- **Panel Discussion (Selection of Winners):** A distinguished **jury panel**, including
  - **Dr. Ankit Dalal** (Assistant Professor, School of Electrical & Computer Sciences, IIT Bhubaneswar)
  - **Dr. Sabyasachi Patra** (Assistant Professor, Dept. of Computer Science, IIIT Bhubaneswar)
  - **Mr. Ashutosh Mohanty** (R&D Engineering, Sr Staff Engineer TPG, HW Analytics & Test, Synopsys)
  - **Ms. Shruti Shubhra** (R&D Engineering, Sr Engineer TPG, HW Analytics & Test, Synopsys)evaluated the projects based on innovation, feasibility, and impact.
- **Valedictory Ceremony:** The session started with an address by **Mr. Mukesh Kushwaha** (Regional Experience Leader, AIF), Then the **Abstract Book Launch** by **Ms. Shruti Shubhra** (R&D Engineering, Sr Engineer TPG, HW Analytics & Test, Synopsys), followed by the addresses of the Guests of Honour **Mr. Om Prakash Behera** (R&D Engineering, Staff Engineer TPG, HW Analytics & Test, Synopsys), **Ms. Sonali Padhy** (R&D Engineering, Manager TPG, HW Analytics & Test, Synopsys), **Dr. Sujata Chakravarty**, Dean, SoET, CUTM, **Dr Ajay Kumar Nayak**, Pro VC (Administration), CUTM, **Prof. Jagannath Padhi**, Director, CUTM. After that the awards were announced, Then the **Vote of Thanks** was delivered by **Mr. Vipin Yadav** (Area Lead, AIF), extending gratitude to all dignitaries, participants, and organizers.

## Key Highlights :

- **Innovation Showcase:** Display of groundbreaking science and engineering projects.
- **Expert Interactions:** Insightful discussions with industry professionals and academicians.
- **Book Launch:** Introduction of "**100 Times Curious**" by **Mr. Mrinal Das**.
- **Networking Opportunities:** Engagement between students, experts, and industry leaders.
- **Evaluation & Feedback:** Constructive critique and guidance from the jury panel.
- **Recognition:** Encouragement through awards and appreciation for participants.

## Key Outcomes :

- **Enhanced Learning:** Participants gained in-depth knowledge of scientific and engineering applications.
- **Practical Exposure:** Real-world problem-solving through innovative project presentations.
- **Industry-Academia Collaboration:** Strengthened connections between students and professionals.
- **Motivation for Future Research:** Encouraged participants to pursue further research and innovation.
- **Skill Development:** Improved critical thinking, teamwork, and presentation skills.

## Competition Winners :

- **First Prize:** Bineswar Brahma Engineering College, Kokrajhar
- **Second Prize:** Bineswar Brahma Engineering College, Kokrajhar
- **Third Prize:** Bhubaneswar Engineering College, Bhubaneswar

## Feedback from Participants:

Participants expressed their gratitude for the platform provided by **Anveshana 2025**. They appreciated the opportunity to interact with esteemed experts and gain insights into real-world applications of their projects. Many highlighted how the event enhanced their problem-solving skills and fostered their enthusiasm for innovation.

## Acknowledgements :

We extend our sincere gratitude to all the dignitaries, jury members, and industry experts who contributed their valuable time and expertise to make **Anveshana 2025** Bhubaneswar a success. A special thanks to all the members of **CUTM Bhubaneswar**, for their unwavering support and meticulous organization. We appreciate the collaboration with **Agastya International Foundation and Synopsys India**, whose contributions played a pivotal role in the event's success. Lastly, we acknowledge the enthusiastic participation of students and faculty members, whose passion for innovation and learning truly defined the spirit of **Anveshana**.

## Glimpses of the session :



The banner features logos for Agastya International Foundation, Centurion University, IEEE Student Branch, and Synopsys. The main text reads 'WELCOME TO Anveshana Bhubaneswar 2024-25' with the tagline 'BUILDING BRIDGES TO INNOVATION'. A closing statement at the bottom states: 'Anveshana, our science and engineering fair fosters creativity, innovation, and critical thinking by bringing together engineering students and school students.'



