

Visit Report

Industrial Visit- Visit at GMRT, Khodad, Narayangaon, Maharashtra on Science Day

1. **Event Title:** Industrial Visit at GMRT, Khodad, Narayangaon, Maharashtra on the occasion of Science Day
2. **Event Date:** 28th FEB 2023
3. **Event Conduction Duration:** Full Day
4. **Event Mode:** Field Visit

5. Name of Event Coordinator with contact details:

Mr. Shankarshan Tiwari , Assistant Prof., EEED,SOET,Nashik.

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6.Event Outline & Outcome of the event:

Objective of Program:

National Science Day is celebrated in India on February 28th each year to mark the discovery of the Raman effect by Indian physicist Sir C. V. Raman on 28 February 1928. For his discovery, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930.

The basic objective of National Science Day is **to spread the message of the importance of science and its application among people**. Every year, National Science Day is celebrated as one of the main science festivals in India in order to achieve a number of goals.

Science Day is celebrated by spreading the importance and improvement of science in the daily lives of the general public. This celebration also has the following goals in mind:

- To recognize and appreciate all scientific activities, efforts, and achievements.
- To promote and nourish interest in science and technology.
- To encourage young people to learn more about science.

The Department of Science and Technology established the National Awards in 1987 to encourage, stimulate and recognize outstanding efforts of scientists in the dissemination of science and the promotion of scientific disposition.

Since 1999, National Science Day has been celebrated following specific themes every year. The previous year's themes of Science Day are as follows -

- 1999 - Our Changing Earth
- 2000 - Recreating Interest in Basic Science
- 2001 - Information Technology for Science Education
- 2002 - Wealth From Waste

- 2003 - 50 years of DNA & 25 years of IVF: The Blueprint of Life
- 2004 - Encouraging Scientific Awareness in the Community
- 2005 - Celebrating Physics
- 2006 - Nurture Nature for our Future
- 2007 - More Crop Per Drop
- 2008 - Understanding the Planet Earth
- 2009 - Expanding Horizons of Science
- 2010 - Gender Equity, Science & Technology for Sustainable Development
- 2011 - Chemistry in Daily Life
- 2012 - Clean Energy Options and Nuclear Safety
- 2013 - Genetically Modified Crops and Food Security
- 2014 - Fostering Scientific Temper and Energy Conservation
- 2015 - Science for Nation Building
- 2016 - Make in India: S&T Driven Innovation
- 2017 - Science and Technology for Specially Abled Persons
- 2018 - Science and Technology for Sustainable Future
- 2019 - Science for the People and the People for Science
- 2020 - Women in Science
- 2021 - Future of STI: Impact on Education Skills and Work
- 2022 - Integrated Approach in Science and Technology for a Sustainable Future

Output of Program:

Science refers to the systematic study of the natural world through observation, experimentation, and analysis. It involves developing theories and models to explain the underlying principles that govern the behavior of physical, biological, and social phenomena. Science seeks to understand the world and the laws that govern it, and to apply that knowledge to improve our lives and solve practical problems. Science encompasses a wide range of disciplines, including physics, chemistry, biology, earth science, astronomy, psychology, and many others. Each of these disciplines seeks to uncover new knowledge about the natural world and to apply that knowledge to benefit humanity. The scientific method is the process by which scientists conduct research and test hypotheses. It involves formulating a question or problem, developing a hypothesis or explanation, testing the hypothesis through experiments or observations, analyzing the results, and drawing conclusions based on the evidence.

Science Day, also known as National Science Day, is celebrated in India on February 28 every year to commemorate the discovery of the Raman effect by the Indian physicist Sir CV Raman on February 28, 1928. The Raman effect is a phenomenon in which a beam of light passing through a transparent material is scattered in a way that can reveal information about the molecular

structure of the material.

The theme for national science day 2023 is '**Global science for global well-being**'. As India enters 2023', the theme indicates the country's emerging global role and rising visibility in the international arena.

Science Day serves as an opportunity to celebrate the achievements of scientists and their contributions to society. It is a day to recognize the importance of science and technology in our daily lives, and to encourage the pursuit of scientific knowledge and research. It also aims to raise public awareness about the significance of science, and to promote the study of science and technology in schools and universities.

Science has played a crucial role in shaping the world we live in today. From the discovery of electricity to the development of the internet, science and technology have transformed every aspect of our lives. It has helped us understand the natural world and the laws that govern it, and has enabled us to develop new technologies and medicines that have improved our health and quality of life.

Science has also helped us address some of the most pressing problems facing humanity, such as climate change, public health, and sustainable development. It has enabled us to develop renewable energy sources, to better understand the spread of diseases, and to design more efficient and sustainable cities.

However, science and technology also present new challenges and risks, such as cybersecurity threats, ethical concerns related to artificial intelligence, and the potential misuse of biotechnology. It is therefore important for society to have a deep understanding of science and its potential impact on our lives, and to ensure that science is used responsibly and ethically.

Science Day serves as a reminder of the power of science to improve our understanding of the world and to help us solve some of the most pressing problems facing humanity. It is a day to celebrate the achievements of scientists and to encourage the pursuit of scientific knowledge and research. By promoting science and technology, we can ensure a better future for ourselves and for generations to come.

Number Students Attended: 100

6. Event photos:





