

Report on one-day webinar for observing National Science Day(NSD) 2022

1. Name of Institution/Department: Department of Chemistry, Govt. Zirtiri Residential Science College
2. Date & Time of the webinar: 10.3.2022(Thursday), 8:30pm to 9:30pm
3. Resource person: Dr.Samuel Lallianrawna, Asst.Professor, Dept. of Chemistry, GZRSC
Host and Technical incharge: Dr.LalsaimawiaSailo, Asst.Professor, Dept. of Chemistry, GZRSC
4. Topics: Fusion Technology: The Holy Grail of the Energy World
5. Number of Participants: 65
6. Duration of the lecture: 1 hour
7. Online platform used: Google Meet

Attached Files: 1.Presentation screen shots &
2.List of Participants

Yours faithfully



(Dr. SAMUEL LALLIANRAWNA)
Asst. Professor
Department of Chemistry
GZRSC

ATTACHMENT 1: PRESENTATION SCREEN SHOTS

Introduction

- ◆ Fusion power is the generation of energy by nuclear fusion. Nuclear fusion reactions are high energy reactions in which two lighter atomic nuclei combine to form a heavier nucleus. When they combine some of the mass is lost.
- ◆ Loss in mass is converted into energy through $E = MC^2$
- ◆ Fusion power is research effort to try and harness this energy to power large scale cleaner energy.

Diagram: A diagram showing a Deuterium nucleus (one proton, one neutron) and a Tritium nucleus (one proton, two neutrons) combining in a process labeled "FUSION". The products are a Helium nucleus (two protons, two neutrons) with 3.5 MeV of energy and a Neutron with 14.1 MeV of energy.

HoD is presenting

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