

WEBINAR

Nuclear Technology & Opportunities in BARC **9 - June - 2020, 5.00 pm IST**

Students Open for Participation: All Branches

Resource Person:

Mr. Harsh Vardhan Jha ,
Scientific Officer,
Nuclear Power Corporation of India,
Formerly at (BARC)



Electrical Engg. Dept
Jorhat Engg. College

TEQIP-3
Technical Education Quality Improvement Programme

Webinar on **Nuclear Technology & Opportunities in BARC** **9 - June -2020, 5pm**

Patron

Dr. Reeta Sarmah, Principal, JEC

Convenor

Dr. AB.Kandali, Assoc. Prof, EED

Coordinators

Pankaj Sharma, Asst Prof., EED
Rahul Raman, Asst Prof., EED
Dr. Raja Ram Kumar, Asst Prof., EED

Speaker:

Harsh Vardhan Jha
Scientific Officer,
Nuclear Power Corporation of India
Formerly at (BARC)

A webinar was conducted in the Electrical Engineering Department at Jorhat Engineering College on 09- June - 2020 at 5 pm for all Jorhat Engineering College students, Assam. The minute-to-minute activity during the program is as follows.

5.00 pm - Introduction - Pankaj Sharma, Assistant Professor, Electrical Engg, JEC, Assam.

5.05 pm - Presentation - Harsh Vardhan Jha, Scientific Officer, Nuclear Power Corporation of India, Formerly at (BARC)

6.05 pm - Q & A

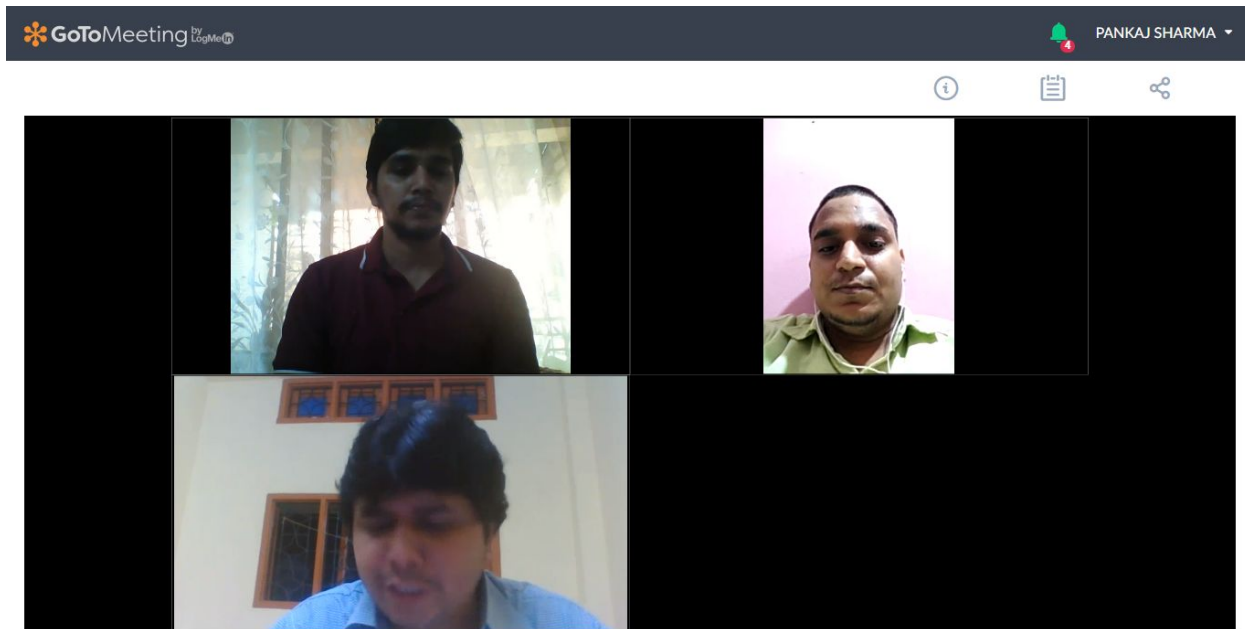
6.25 pm - Vote of Thanks - Dr. Raja Ram Kumar, Assistant Professor, Electrical Engg, JEC.

An introduction was given about the need for Nuclear Power to the students by Coordinator and moderator Pankaj Sharma. In this context, the usefulness of nuclear power as a clean source of energy due to fewer carbon emissions was explained briefly.

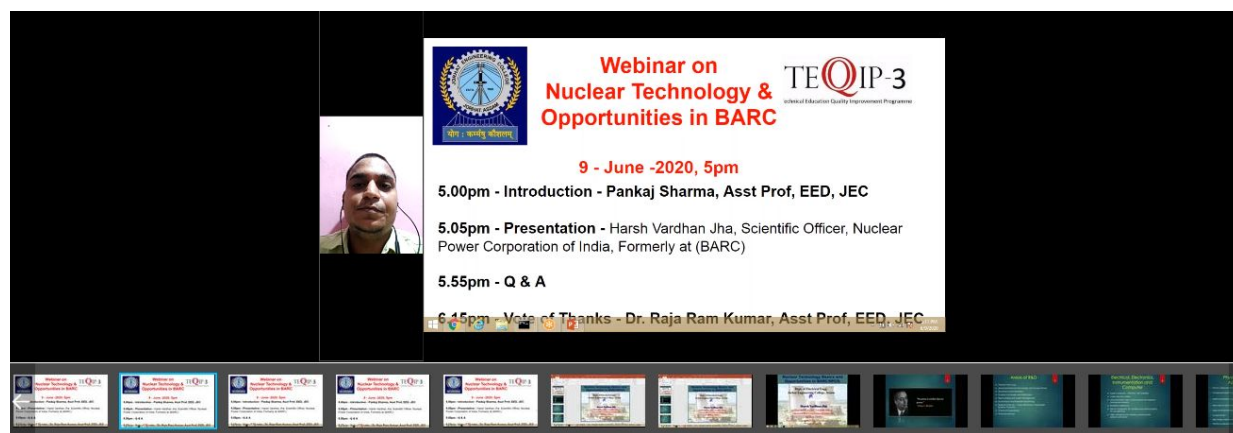
After that, the main speaker, Mr. Harsh Vardhan, provided a glimpse of nuclear power production, recent areas of research and development, advanced reactor technology. Thorium is in abundance in our country, and its reserves can provide power for the next 300-400 years easily. Kerala beaches have almost unlimited thorium. We can produce 500 GW of electricity for 350 years. This was the vision of Dr. **Homi Jehangir Bhabha**. The session was attended by more than 50 participants.

In Q & A, participants asked questions on supercomputers, limited use of distributed control systems, and the most commonly used nuclear reactors. Mr. Tusar Kumar dash, faculty of Electrical Engg, raised concerns about nuclear waste, used radioactive material, and sought solutions to the problem of safe disposal.

Vote of Thanks was given by Dr. Raja Ram Kumar, Assistant Professor, Electrical Engineering Department, Jorhat Engineering College.



Mr. Harsh Vardhan Jha (top left), Mr. Pankaj Sharma (top right) and Dr. Raja Ram Kumar during the session.



Mr. Pankaj Sharma introducing the session.



Nuclear Technology Basics and Opportunities in BARC/NPCIL



Dept. of Electrical Engg.
Jorhat Engineering College, Assam



Harsh Vardhan Jha
Directorate of E&I, Scientific Officer
Nuclear Power Corporation Of India Ltd.
Mumbai, INDIA
Formerly, Scientist at Bhabha Atomic Research Centre

5:16 PM 6/9/2020



Worldwide Need for Electricity and Water



We need much more energy at much lower prices...



...with much less impact on the Earth's environment.

Mr. Harsh Vardhan Jha during the session.