

**Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara
(Autonomous)
Workshop
on
Enhancement in Practical Skill
Report
02/06/2021**

Title : Enhancement in Practical Skill

Speaker: Dr. Swapnil Rajoba
Assistant Professor,
Department of Physics,
T.C. College, Baramati

On June 2, 2021, workshop on “**Enhancement in Practical Skill**” was organized by department of Physics YCIS Satara for I, II and III diploma students. The main objective of the lecture is to give basic idea about practical skill to the students under diploma in instrumentation.

The screenshot shows a Zoom meeting interface. The main content is a presentation slide titled "ELECTRICAL TRANSDUCERS" with the following text:

- The electrical transducers is one which converts the nonelectrical quantity into the equivalent electrical quantity.
- **Non-electrical quantity:** force, displacement, stress, temperature.
- **Electrical quantity:** current , voltage

The interface also shows a video feed of the speaker, Dr. Swapnil Rajoba, and a list of participants on the right side. The participants listed are: SUMIT MOHITE, Sunita Kokare, Swapnil Rajoba, Swapnil Rajoba Presentation, Teju Jagdale, uma ghadge, and Vikrant Jadhav. The bottom of the screen shows the Zoom control bar with icons for mute, video, chat, and other functions. The time is 09:23 and the meeting title is "Enhancement In Practical Skill (Workshop)".

The screenshot shows a Zoom meeting interface. On the left, a slide titled "Block diagram of a cathode-ray oscilloscope" is displayed. The diagram illustrates the internal components of a CRO, including an input signal, vertical amplifier, delay line, electron gun, trigger circuit, time base generator, horizontal amplifier, and external input. It also shows high and low voltage supplies connected to the CRT and amplifier/awesop. On the right, the Zoom control panel is visible, showing a list of participants: SUMIT MOHITE, Sunita Kokare, Swapnil Rajoba, Swapnil Rajoba Presentation, Teju Jagdale, uma ghadge, and Vikrant Jadhav. The meeting title at the bottom is "09:26 | Enhancement In Practical Skill (Workshop)".

Mrs. S. G. Kolhe, (Asst. Prof. YCIS) had gave a brief introduction & welcome the Guest Speaker Dr. Swapnil Rajoba. Then Dr. Swapnil Rajoba explains various skills required for handling of practical instruments. He also discussed working principle and applications of Optical Bench, Measuring devices, Spectrometer and CRO. He also explained how to calculate and minimize the errors while using various instruments.

Finally, some questions from participants were answered by the speakers. More than 90 participants were benefited by this lecture.

Head
Department of Physics

