



## CERTIFICATE OF PARTICIPATION

PRESENTED TO

**BHAWANA JOSHI**

FOR SUCCESSFULLY ATTENDING

### "3030 Eklavya Program-Episode 6" The Lost Bronze and Science of Sound

(Inline with NEP 2020 , Nurture Creativity and Critical Thinking)

CONDUCTED BY

Center for Creative Learning (CCL), IIT Gandhinagar  
in collaboration with CBSE

Equivalent to 2 hrs of online course training/professional development

#### Learning Objectives

- Sound production and propagation
- Vibrations of membrane
- Transverse and Longitudinal Waves
- Frequency spectrum, Resonance
- DIY musical instruments
- Ear and hearing

*Manish Jain*

**Prof. Manish Jain**

Associate Teaching Professor,  
IIT Gandhinagar

*Joseph Emmanuel*

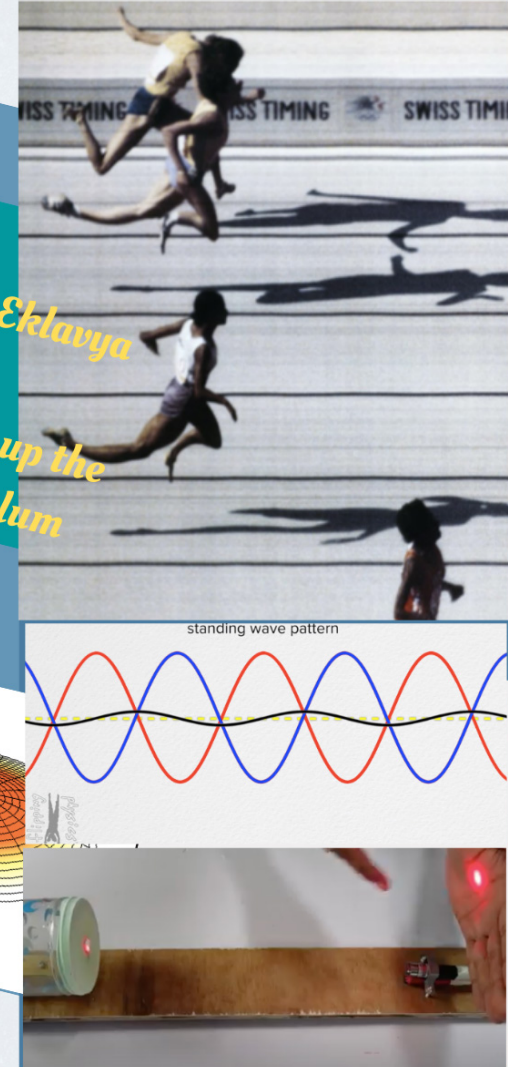
**Dr. Joseph Emmanuel**

Director, Academic,  
CBSE



Scan QR Code or Visit <https://iitgandhinagar.ac.in/certificates/?id=EKL22083104-EP6> to verify

Session Date:14th Aug, 2022



3030 Eklavya  
Spicing up the  
curriculum

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