

## e-ITEC Course content Designed by IISER Pune

Dates: January 8-19, 2024

**Title: Enhancing the skills of science and mathematics teachers for the twenty-first century.**

eITEC COURSE schedule (About 30 hour's online mode)

Day	Date	Session 1 10:00 a.m. to 11:30 a.m.	10 minutes break 11:30 a.m. to 11:40 a.m.	Session 2 11:40 a.m. to 1:10 p.m.
Day 1	8.01.2024	Inauguration and first Session – Introduction of 21 <sup>st</sup> century teaching	Small Break	Role of technology in education
Day 2	09.01.2024	Problem based learning	Small Break	Session on Physics Electromagnetism
Day 3	10.01.2024	The science behind climate change	Small Break	Session on Chemistry - Let's talk Chemistry!
Day 4	11.01.2024	Interaction with scientist	Small Break	Toy-Based Pedagogy
Day 5	12.01.2024	Flipped classroom strategies	Small Break	Active Learning techniques
Day 6	15.01.2024	Digital Pedagogy Integrating technology into science and math lessons	Small Break	Understanding STEM (Science, Technology, Engineering, Mathematics) education
Day 7	16.01.2024	Session o Biology- Importance of Ecosystem	Small Break	Student-Centered Learning Active learning techniques
Day 8	17.01.2024	Student-Centered Learning Active learning techniques	Small Break	Activity based mathematics
Day 9	18.01.2024	Leveraging corporate support for strengthen education ecosystem	Small Break	Project-based learning
Day 10	19.01.2024	Formative and summative assessment methods	Small Break	Valedictory Function and Feedback of the entire program