

Workshops and tutorials

- Educational Technology for Engineering Teachers. 8-week MOOC on IITBx platform, January 7 – March 7, 2016. (5000+ participants). *Jointly with Jayakrishnan Warriem and Sridhar Iyer.*
- Effective Teaching-Learning using Visualizations at the 7th IEEE International Conference on Technology for Education T4E2015, Warangal. December 9, 2015. *Jointly with Sridhar Iyer*
- 2nd Workshop on ‘Technology enhanced learning of thinking skills’, at the International Conference on Computers in Education, ICCE 2015, Hangzhou, China. Nov. 30- Dec. 3, 2015. *Jointly with Mavinkurve and Sridhar Iyer*
- MEET Workshop – Mentoring educators in educational technology, IIT Bombay. Oct 23-25, 2015. *Jointly with Jayakrishnan Warriem, Rwitajit Majumdar and Sridhar Iyer*
- Planning, Conducting and Reporting Educational Technology Research – half-day workshop in University of Goa. October 11, 2015.
- Creating your elevator pitch. Session in T10KT workshop on Technical Communication for Scientists and Engineers, IIT Bombay. August 2015.
- Pedagogy for effective use of educational technology in engineering education. 2-week equivalent workshop under Teach 10000 Teachers project, January 5-31, 2015. (4700 participants). *Jointly with Jayakrishnan Warriem and Sridhar Iyer.*
- Pedagogy for effective use of educational technology in engineering education. 1-week TEQIP workshop, IIT Bombay. January 5-9, 2015. *Jointly with Jayakrishnan Warriem and Sridhar Iyer.*
- How to get your paper accepted for T4E2015”. Tutorial at the IEEE International Conference in Technology for Education, T4E 2014, Amrita University, Kerala. December 21, 2014. *Jointly with Sridhar Iyer.*
- Technology enhanced learning of thinking skills. Workshop at the International Conference on Computers in Education, ICCE 2014, Nara, Japan, Nov. 30- Dec. 3, 2014. *Jointly with Mrinal Patwardhan and Sridhar Iyer.*
- From teaching to research on teaching: The process of Action Research. Workshop in e-Seminar on Steps to Research, Amal Jyothi College of Engineering, Kerala. Sept. 20, 2014.
- Pedagogy for effective use of educational technology in engineering education. 2-week equivalent workshop, Quality Enhancement in Engineering Education June-July 2014. (3400 participants). *Jointly with Jayakrishnan Warriem and Sridhar Iyer.*
- Peer-Instruction: An interactive learning strategy. How to promote student conceptual understanding in your course. IDP-ET workshop series. February 27, 2014.
- Conducting ET research in your classroom or lab. Half-day interactive e-workshop, FISAT, Kerala. February 8, 2014. *Jointly with Jayakrishnan Warriem.*
- Effective teaching-learning strategies from Physics Education Research. 2 sessions in UGC Refresher course for B.Sc physics instructors. *Jointly with Anura Kenkre.* Mumbai University. Nov. 13-14, 2013.
- Effective Teaching and Learning: How can Educational Technology help? 2 sessions. In-house CEP course for Babasaheb Ambedkar Technological University. Sept. 4, 2013.
- Effective Teaching-Learning Strategies for Quality Engineering Education. Co-instructor for 1 week QIP course for engineering college instructors. June 24-28, 2013. *Jointly with Sridhar Iyer, Madhuri Mavinkurve, Mrinal Patwardhan, Rekha Ramesh and Anita Diwakar.*

- Effective Teaching and Assessment: How can Educational Technology help? 2 sessions. In-house CEP course for Institute of Chemical Technology, Mumbai. Feb. 4, 2013.
- Research in educational technology. 1 week T10KT workshop, February 2-9 2013. 4000+ participants. *Jointly with Sridhar Iyer*
- Effective Teaching and Assessment. 1-day CEP course for NMIMS, Mumbai. March 15, 2012.
- Writing effective conference papers. Instructor for 2-day T10KT course. February 18-19, 2012.
- Instructional design workshop for learning objects. Organized as part of Project OSCAR. IIT Bombay. May 2, 2011. *Jointly with Sameer Sahasrabudhe, Gargi Banerjee and Anura Kenkre.*
- Effective teaching-learning strategies in Physics: Research-based approaches. 2 sessions in UGC Refresher course for physics instructors. Mumbai University. Jan. 31 and Feb. 4, 2011.
- Instructional design workshop for learning objects. Organized as part of Project OSCAR, NMIMS. January 29 and February 5, 2011. *Jointly with Sameer Sahasrabudhe and Gargi Banerjee.*

Invited Talks

- Active learning strategies for improving student learning and engagement. Invited talk in seminar on ‘Conversations Across Disciplines – Teaching & Learning’, IIT Gandhinagar. February 13, 2016.
- Active learning strategies for improving student learning and engagement. Colloquium in Department of Electrical Engineering, IIT Bombay. November 4, 2015.
- Learning from digital technologies – cognitive aspects. Invited guest lecture at Tata Institute of Social Sciences, (MA in Education course), TISS, Mumbai. May 21, 2015.
- Peer-Instruction: An interactive learning strategy to promote student conceptual understanding. Session in Symposium on teaching-learning in higher education, IIT Madras. May 28, 2014.
- Computer-based visualizations in facilitating learning: Some myths and realities. Invited talk at the National Symposium on Future Directions for Technology in Education. SNDT Women’s University. March 21, 2014.
- Academic excellence through quality technical education: Challenges and opportunities. Keynote speech at AICTE sponsored national seminar, Thakur College of Engineering and Technology, Mumbai. January 23, 2014.
- Interactive visualizations to develop scientific abilities. Invited seminar at Homi Bhabha Centre for Science Education, TIFR, Mumbai. November 22, 2012.
- Interactive visualizations to develop scientific abilities. Invited seminar at Freudenthal Institute of Science and Maths Education, Utrecht, Netherlands. June 28, 2012.
- Educational Technology: The Why, the What and some of the How. Invited talk at Symbiosis Internal Conference on Open and Distance Learning, Pune. February 23, 2011.