

Invited Talks

- Would technology help in making students better learners? CSI Mumbai TechNext India 2018. February 11, 2018
- Designing Learner Centric MOOCs. Future of Learning Conference, IIM Bangalore. January 15, 2018.
- Large-scale teacher professional development for effective technology integration. Theme-based invited speaker at the 25th International Conference on Computers in Education, (ICCE 2017), Christchurch, New Zealand. December 6, 2017.
- Student-centric techniques in f2f classrooms, flipped classrooms and MOOCs: improving learning and engagement. Invited talk at Engineering Conclave, IIT Madras. September 1, 2016.
- 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.

Workshops, Continuing Education Program courses, Blended MOOCs

- TEQIP Faculty Induction Workshop at IIT Bombay. Instructor for 3 lectures on learning objectives, assessment and active learning pedagogical strategies, repeated 4 times. January-February 2018.
- TEQIP Senior Faculty Induction Workshop. Instructor for 4 lectures, June 2018.
- Pandit Madan Mohan Malviya National Mission on Teacher Training (PMMMNTT), Faculty induction program at IIT Bombay. Instructor for 2 lectures. December 2017.
- Pedagogy training for student-centered teaching-learning. 2-day in-house CEP course. REC Bijnor. November 9-10, 2017. *Jointly with Sridhar Iyer, Yogendra Pal, Anurag Deep.*
- Pedagogy for effective use of ICT for school teachers. 4-week MOOC on IITBombayX for school teachers and e-learning curriculum designers. Offered in Apr-May 2017, Enrolment 11478 and Sep-

- Oct 2017, Enrolment 2707. *Jointly with Sridhar Iyer, Sameer Sahasrabudhe, Gargi Banerjee.*
- Effective teaching-learning of CS in schools. 4-week MOOC on IITBombayX for school teachers. Offered in May-Jun 2017 (as ET612Tx), Enrolment 573, and Nov-Dec 2017 Enrolment 1642. *Jointly with Sridhar Iyer.*
 - Effective designing of Outcome Based Education (OBE) for meaningful learning in engineering education. 2-day in-house CEP course. October 21-22, 2017. *Jointly with Sridhar Iyer, Madhuri Mavinkurve, Gargi Banerjee.*
 - Pedagogy for online and blended teaching-learning process FDP101x & FDP201x. Faculty development program under IITBombayX. Co-instructor for multiple offerings in 2017-18.
 - Moving from teacher-centric to student-centric teaching. Workshops for school principals, Next Education. September – November 2016.
 - Active learning strategies for student learning and engagement. Talk at Refresher course in Mathematical Physics, University of Mumbai. October 18, 2016.
 - Strategies for developing effective e-learning content. In-house CEP course (2 days) for Next Education India Pvt Ltd. September 2-3, 2016.
 - 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, 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 invited 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. 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.*