

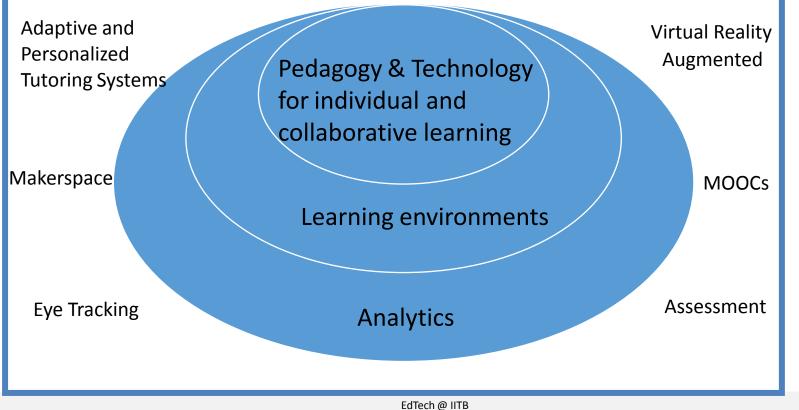
Educational Technology @ IIT Bombay

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Indian Institute of Technology Bombay

What is Educational Technology?





Educational Technology, IIT Bombay



Inter-Disciplinary Program, started 2010

- 5 Core faculty
- Associate faculty from departments of Engg., Science, Design, H&SS
- 29 PhD research Scholars
- 14 PhDs graduated
- 8 students in M.Tech program

EdTech @ IITB

Tools: To support teaching-learning process

MOOCs: Massive open online courses – IITBombayX

iQuE, iSAT, CuVIS, ...

Development:

Research:

Emerg: Emerging technologies

EDA: Educational data analytics

- *TUET:* Teacher use of educational technologies

TELOTS: Technology enhanced learning of thinking skills

Trained 5000+ college teachers, 5000+ school teachers

What do we do?

Outreach

Consultancy

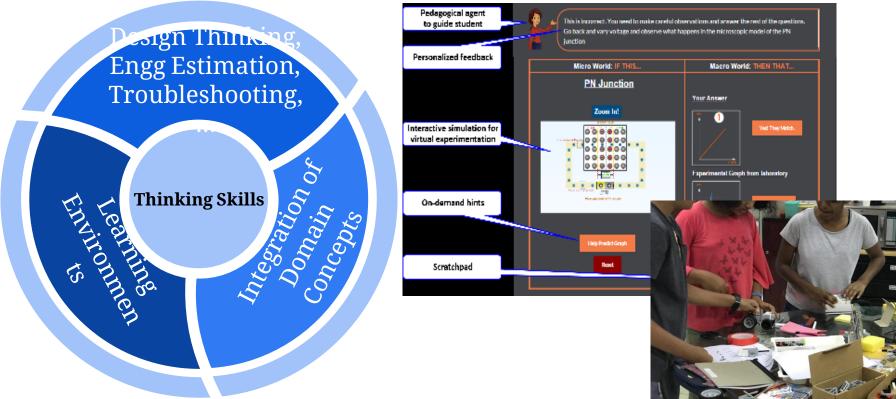
Sponsored Projects

Sponsored Research Labs

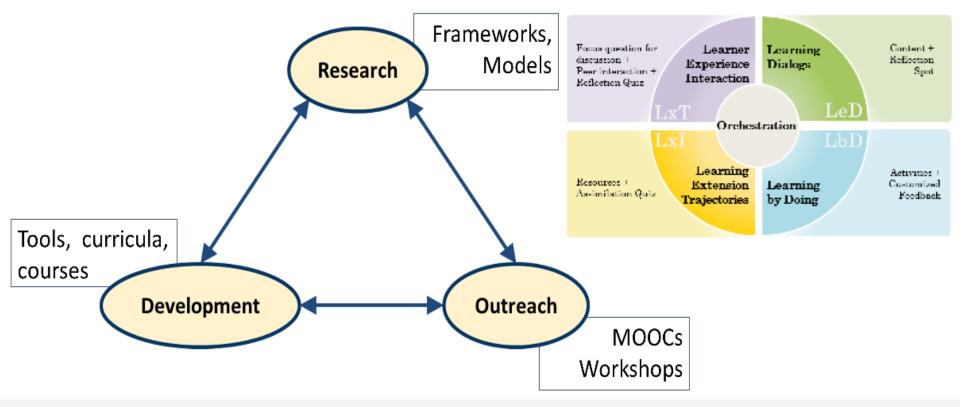


Research Area - TELoTS





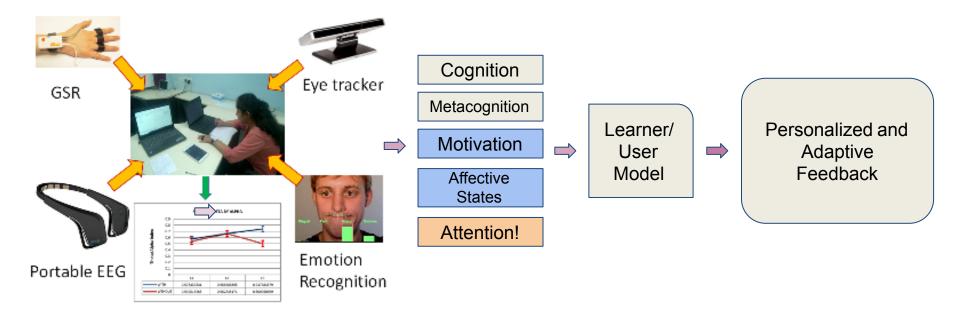
Research Area – Teacher Use of Ed Tech



IIT BOMBAY

Research Area – Educational Data Analytics





Research Area – Emerging Technologies







Augmented Reality

3D Visualization

Wearables

What can we do for industry?

IIT BOMBAY

- Consultancy
 - Multimedia content creation, instructional design
 - Curriculum redesign, development of training programs
 - Benchmarking / Evaluation of educational content and implementation
- Training
 - Incorporation of learner centric pedagogy in training
 - Creation of online courses and MOOCs
- Sponsored Projects: various R&D projects in educational technology
- Industries worked with so far: InOpen, Next Education, NIETT, MTNL

What are our students trained in?



- Theories of learning and pedagogy
- Design and evaluation of learning environments that effectively integrate pedagogy and technology, including face-to-face and online/remote settings
- Research methodologies, application of statistical methods, multimodal and mixed-method data analysis
- Work collaboratively on complex interdisciplinary projects

Hire them for: Learning & Development roles; Training-related products

Other EdTech related projects at IIT Bombay



National Mission projects (MHRD)

- NPTEL
- IITBombayX
- Spoken Tutorial
- Virtual Labs
- eYantra

Centers

- Center for Distance Engineering Education Programmes
- Parimal and Pramod Chaudhari Center for Learning and Teaching



Thank You

www.et.iitb.ac.in