Drexel-IIT Delhi Global Classroom Partnerships

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Global E3 Annual Meeting
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Concept

- Pair students in IIT Delhi laboratory classes with students in Drexel data analysis classes

- Collaborate on data collection and interpretation

Method

- Completely asynchronous collaboration
- Use of ApprenNet platform
  - Video submission
  - Review of 3-4 projects by peers using instructor supplied rubric
  - Recap in which top rated submissions are available to all

Example projects: Statistical analysis of environmental observations

- Yamuna River

- IIT Delhi drain

- Analyze for oxygen demand, metals, bacteria

Feedback Mechanism

- Data collection plan
  - Peer review
  - Instructor review
- Final report
  - Peer review
  - Instructor review

Challenges and strategies to address them

- Getting groups over initial barriers to collaboration
  - Introduction assignment
  - Stress rationale for collaboration
- Differing timetables
  - Advance planning and incorporation of deliverables into syllabus
- Tendency to wait until the last minute
  - Intermediate deliverables

Lessons Learned

- Differences in disciplinary perspectives may be more important than nationality
- Time difference is a challenge but consider a synchronous meeting if at all possible