ONLINE PROJECT COLLABORATION & ON-CAMPUS IMPLEMENTATION
THE NEXT 9 MINUTES

Goals

✓ Learn about Brent’s project experience
✓ Create / Modify a concept for a team-based project for your distance-learning students
✓ Suggest an improvement for Brent for his 2016 July cohort

Assumed you know

✓ Benefits of Project-Based Learning
✓ Terminology for digital learning
OVERVIEW

• Level 5 module in NZDE
  ❖ PLC Programming 1
  ❖ Online learning + 2x block courses

• Students mostly working in industry around NZ

• IPENZ graduate attributes for NZDE
  ❖ Teamwork
  ❖ Problem solving
  ❖ Communication
THE PROCESS

Distance / Online environment
- Fundamental skill development
- Teams Allocated by Tutor
- Workload Shared Out
- Detailed Project Proposal + Individual Reflection
- Individual Drafts + Collaboration
- Individual Reflection

On-Campus Block courses
- More skills
- Intro to Project Requirements & Equipment
- Finalise & Test Individual Parts
- Combine Parts & Demonstrate
EXECUTION

- Timely Communication
- Work / other commitments
- 3 Students withdrew from course
- Time pressure during final block course

- 4 of 5 teams met all demonstration targets
- Proposals average mark 69%
- Overall average mark 72%
- Developed technical + soft skills
SUMMARY

- Challenged students to collaborate
- Physical output from the project, Digital draft work
- Excellent standard of final work
- Availability Difficulties

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Online collaboration about this approach via Google Docs