

ONLINE PROJECT COLLABORATION & ON-CAMPUS IMPLEMENTATION

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Wintec
WAIKATO INSTITUTE OF TECHNOLOGY
Te Kuratini o Waikato

THE NEXT 9 MINUTES

Goals

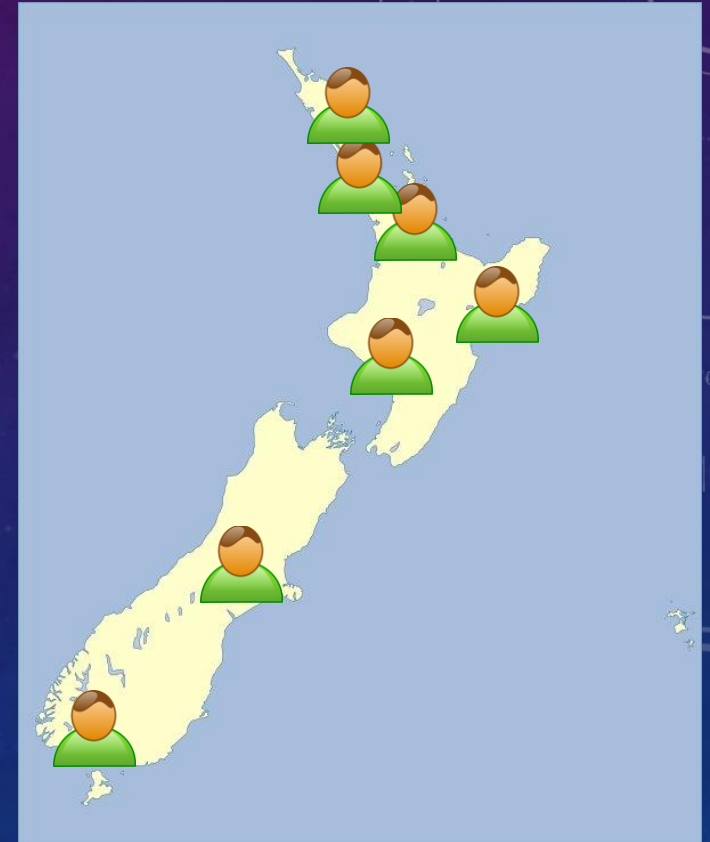
- ✓ **Learn about** Brent's project experience
- ✓ **Create / Modify** a concept for a team-based project for your distance-learning students
- ✓ **Suggest** an improvement for Brent for his 2016 July cohort

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

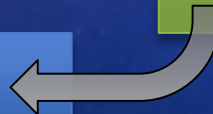
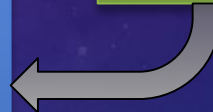
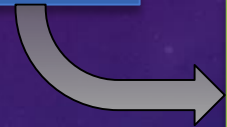
- Teams Allocated by Tutor
- Workload Shared Out
- Detailed Project Proposal + Individual Reflection
- Individual Drafts + Collaboration

- Individual Reflection

On-Campus Block courses

- More skills
- Intro to Project Requirements & Equipment

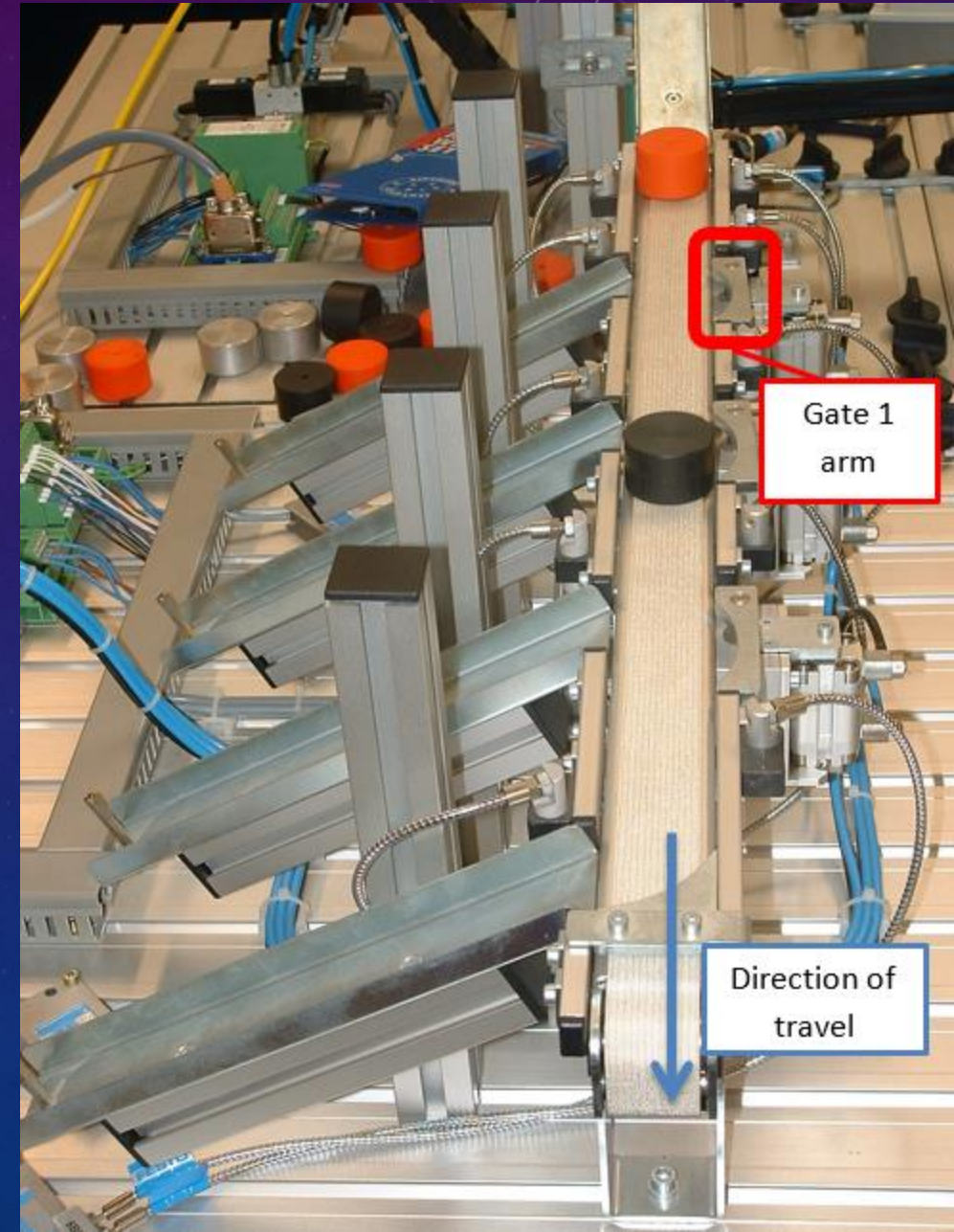
- Finalise & Test Individual Parts
- Combine Parts & Demonstrate



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% (vs 81%)
- Overall average mark 72% (vs 73%)
- 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

