



# Innovative Solutions: Foreign Credential Recognition (FCR)

CAPE 4th Annual Engineering Knowledge Event

CAPE Annual General Meeting 2010 & Volunteer Appreciation

## PROGRAM

09:00-10:00	Registration
10:00-11:00	TIP-Innovative FCR Presentation
11:00-11:30	Volunteer Appreciation
11:30-12:30	Annual General Meeting
12:30-13:30	Lunch
13:30-14:30	NAC-CAPE Workshop/Networking





## PROJECT SUMMARY

Project: Leveraging Global Engineering Skills (October 2008 – October 2010)

**Funder:** Ontario Ministry of Training, Colleges and Universities

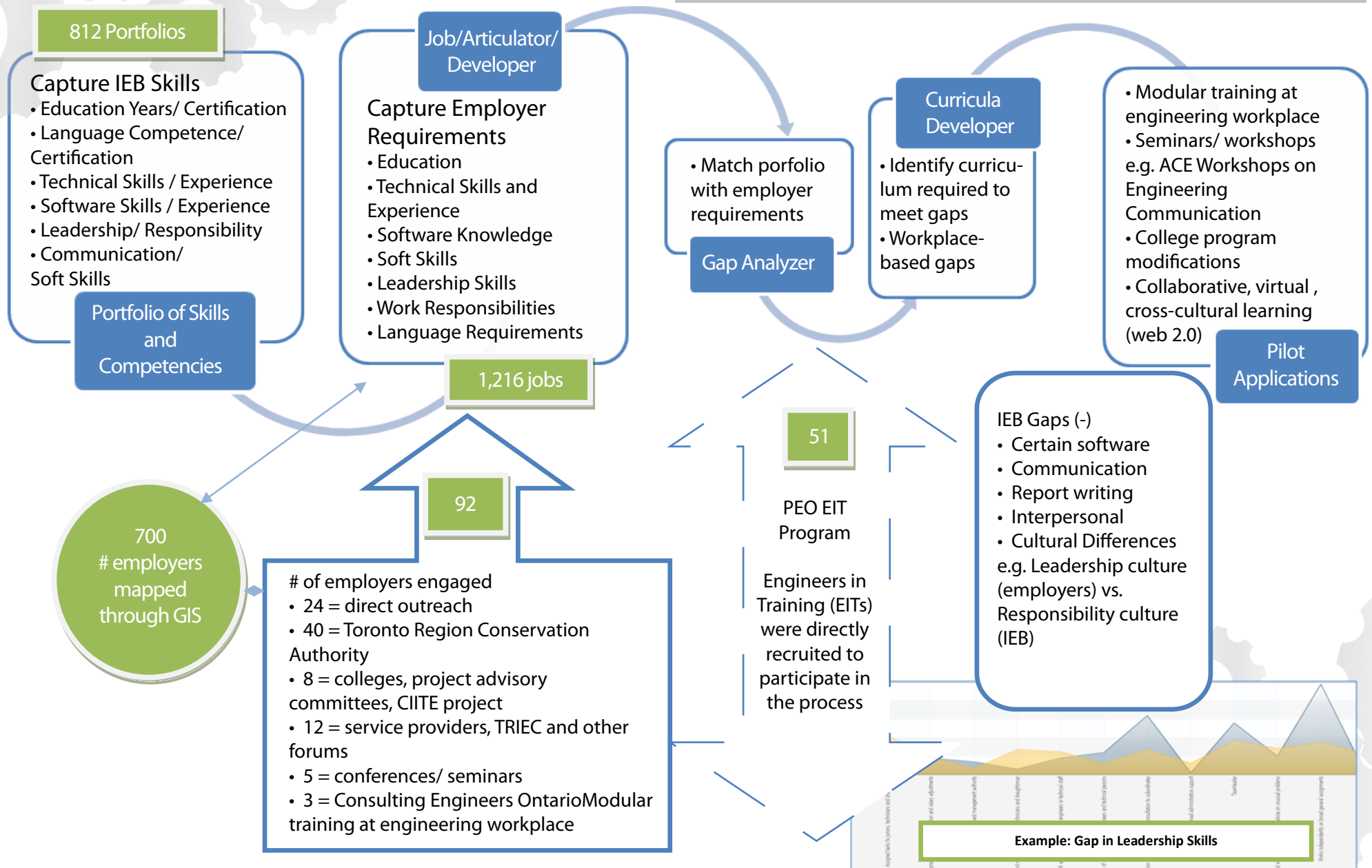
**Objective:** To improve the quality of employment preparation and skills development programs for immigrants with engineering backgrounds and link these programs directly to employer needs.

**Process:** Using special competence-based tools to match immigrant skills with job requirements and real-time employer needs; identifying the gaps and surpluses in skills; developing and piloting

**Findings:** The project enhanced stakeholder knowledge of the changing nature of the engineering profession and its relation to global engineering skills. In particular:

- Sound academic grounding remains important for employment, and as a group, immigrants with engineering backgrounds are exceeding expectations. There is limited need for them to attend university to upgrade their technical knowledge.
- Immigrants with engineering backgrounds do need to demonstrate high computer proficiency and enhance their software skills in specific areas. It is recommended that immigrants with engineering backgrounds take a proficiency test for Microsoft Suite and AutoCAD prior to entry into the workforce. upgrade their technical knowledge.
- Strong communications are becoming central to engineering practice everywhere, and with most engineering businesses being small to medium sized enterprises, client-facing attributes are highly sought. Although specific skill gaps were identified within different sub-disciplines, communications, report writing, interpersonal skills, knowledge of legislation and document handling were identified as universally important.
- Canadian employers tend to prefer a leadership oriented culture with strong supervisory and independent working skills, whereas immigrants with engineering backgrounds tend to prefer a culture of responsibility and teamwork. A professional development plan focused on leadership skills is highly recommended. In addition, training for creativity and innovation would set immigrants with engineering backgrounds apart from their peers.
- With engineering becoming an increasingly global and out-sourced service, there is a crucial need for competence in cross-cultural communications and virtual learning and designing environments. Developing these competencies would be beneficial for all engineers regardless of whether they are immigrants or not. Given time constraints and the flexibility of modular delivery, independent self-study platforms and modular training will be the way forward.

### Linking Programming with Real-Time Employer Needs

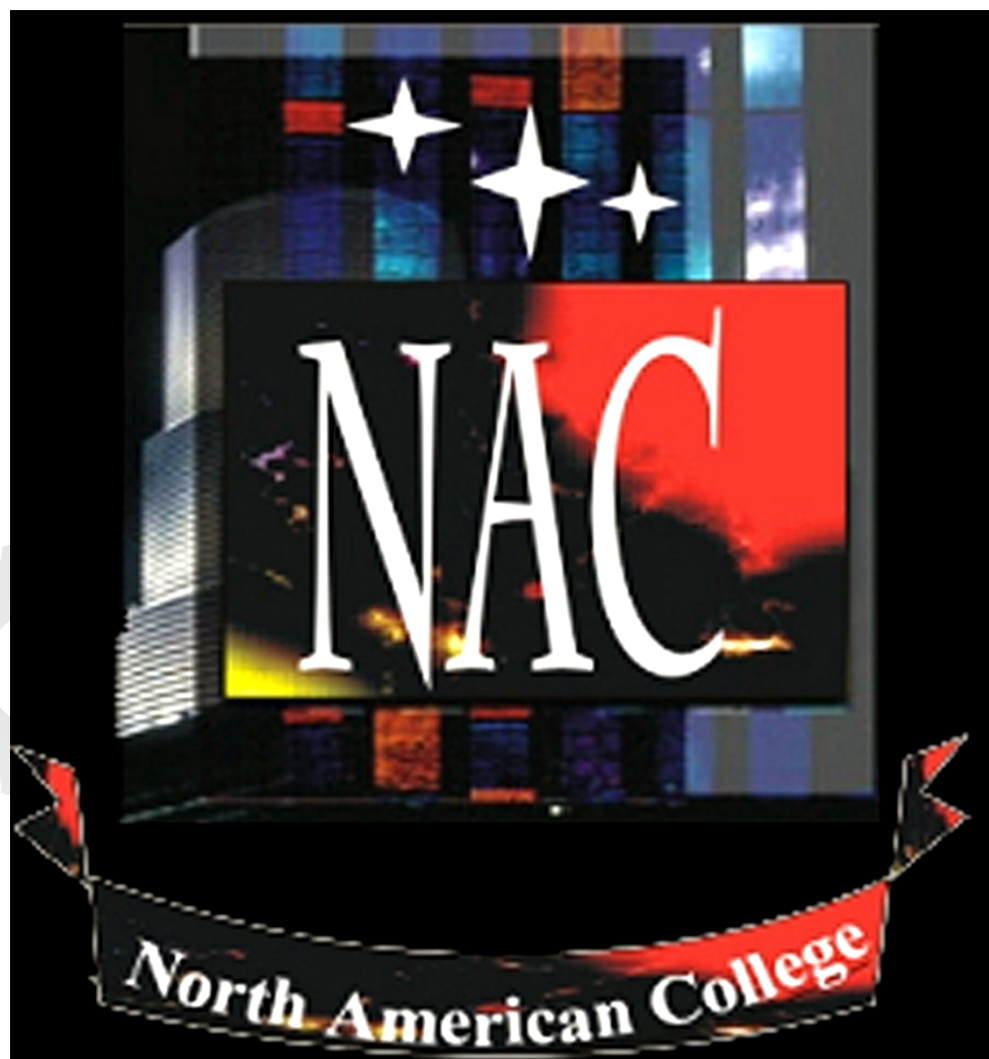




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