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What’s OBACIS

OBACIS is an Outcome-Based Assessment and Continuous Improvement System. It has been designed and is being developed to (1) accelerate the accreditation reporting workflow, (2) cut down the reporting cost by an order of magnitude, and (3) close the data-driven continuous improvement loop.

OBACIS framework integrates three different pieces of software: 1) an Excel Add-in, or the “Xl-App”, for simultaneous grade and OBA reporting; 2) A Windows Application, or the “Win-App” for program and faculty-level template creation, document compilation, and program assessment; and, 3) a web-tool, or the “Web-App”, for document compilation and reporting.

The Catalogs

The Catalogs framework has been implemented as a module of the Win-App. The OBACIS Catalogs are supposed to save a sheer amount of time needed for accreditation reporting and should act as an instrumental tool for accelerating accreditation data collection, creating insightful analyses, and identifying gaps for continuous improvement initiatives at both program and faculty levels.

The Excel-App

The XI-App as a full-fledged add-in that could be distributed to faculty members to be used for grade reporting automation and collecting all accreditation relevant data. The add-in creates a well-protected structure that can be parsed later by the Win-App for program and faculty levels analytics and continuous improvement initiatives.

The CTL Framework

The Closed-Loop Teaching and Learning Framework (CTLF) is composed of two layers: A program layer and a course layer. At the heart of the program layer lies the program-level closed-loop teaching and learning process (P-CTLP). At the course layer, there is a simplified course-level closed-loop teaching and learning process (C-CTLP). P-CTLP and C-CTLP are a sort of master-detail closed-loop continuous improvement system.

Ref:
Ismail, M., OBACIS: Outcome Based Analytics and Continuous Improvement System, in Canadian Engineering Education Association (CEEA16) 2016.
Ismail, M., OBACIS Phase A: Catalogs and Auto-Generated Course Information Sheets in Canadian Engineering Education Association (CEEA17) 2017.