



ENSE 374, Software Engineering Management (Fall 2018)

Finalized first draft: September 5, 2018

Updated: September 18, 2018

Vision

To encourage, empower, and foster a knowledge and learning culture in Engineering at the University of Regina.

Narrative and rationale

Students, staff, and faculty utilize the Engineering section of the University of Regina's website¹ for a number of activities. Students utilize the site for finding specific program information and requirements, course schedules, and information on faculty members, among other activities. Staff and faculty utilize the site for finding information regarding purchasing, advertising, advising, committee stewardship, lecturing, and research, among other activities. With respect to staff and faculty, they also share a network drive that houses some of this content as well, e.g. documents detailing how to apply for funding, purchasing a new device, posting/sharing lecture notes, and housing committee meeting minutes. See Figures 1-3 for a high-level overview of *some of the* current content models/structures.



Figure 1. First level content model/structure of the staff/faculty network drive

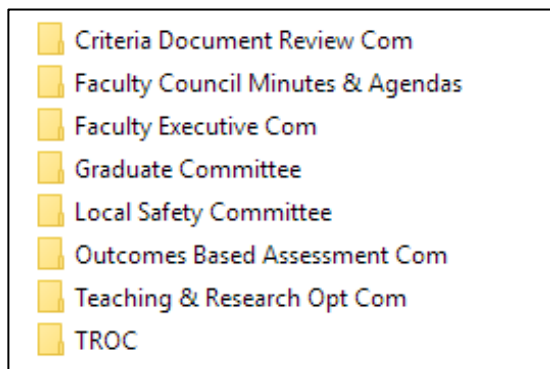


Figure 2. Second level content model/structure of the "Faculty Committees" section

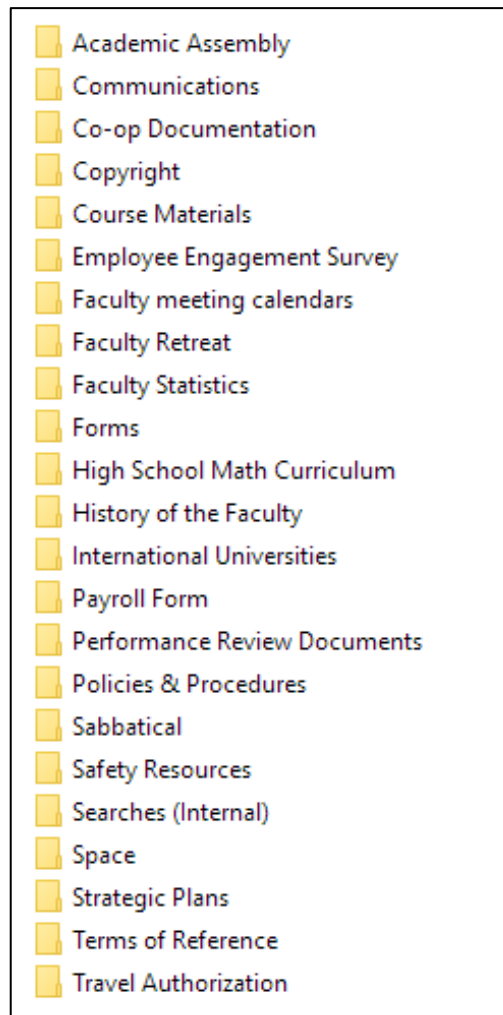


Figure 3. Second level content model/structure of the "Faculty Internal Documentation" section

¹ The University of Regina Engineering website. Online: <https://www.uregina.ca/engineering> (Accessed August 2018)



Over the years, given a lack of consistent process and education/introduction of a standardized content model, it has become increasingly difficult for all stakeholders to find up-to-date and accurate information on both the external website and network share. Streamlined content models for each section/stakeholder group (students/public and staff/faculty), more well-defined processes for updates and improvements, faculty and staff training, and introduction of distinct and more user-friendly information displays for all stakeholders may help students better find content relevant to them, as well as help staff and faculty to do the same.

High-level guidelines and principles

- Review the current state of the public and internal content model and structure
- Propose a separate and standardized content model for education, documentation, and knowledge for the public (students, potential students, potential faculty, etc.) and for staff/faculty.
- **Focus on internal content for staff/faculty stakeholders** by proposing content removal from the public website for this group of stakeholders and by proposing a design for a web-based repository to better serve internal faculty management and service activities
- Prototype a user-friendly solution using Cascade Server/UR Source (the University of Regina's internal Content Management System)

Stakeholders & mentors

- Participants and instructors in ENSE 374 (Fall 2018)
- Meigen Schmidt (University of Regina Engineering Faculty Administrator) and invited Engineering admin staff
- Therese Stecyk (University of Regina Communications and Marketing)
- Glenn Enright (University of Regina Manager of IT/Web)

Assumptions

- **License:** MIT (<https://opensource.org/licenses/MIT>)
- **Process stack:** Design Thinking, RUP, Kanban
- **Technology stack:** Cascade Server/URSource, GitHub
- **Team roles (examples):** Designers, Content stewards (Knowledge Analysts), Documenters/Trainers, Testers (User & System)

Milestones *All milestone topics/dates are tentative/subject to change*

Phase	Deliverable	Due
Milestone 1	Extended requirements digging and empathy mapping	September 27, 2018
Milestone 2	Content analysis and proposed content model (internal)	October 11, 2018
Milestone 3	Lo-fidelity prototyping (or TBD)	October 25, 2018
Milestone 4	Kanban/progress review (or TBD)	November 15, 2018
Milestone 5	Product & training content demo/delivery	<p>NOTE: Projects submissions/report-out files are due in your team's GitHub by 12:00 pm on December 4, 2018. Any files uploaded to Github after this day/hour will be reviewed with possible milestone deductions (upwards to 100% of the project)</p> <p>December 4, 2018 (092 lab/groups) December 6, 2018 (091 lab/groups)</p>