**ENSE 496ab, Social Software Systems Design. Fall 2019**

**Activity: Technology configuration inventory**

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**Instructions**

It is useful to inventory the current technology configuration of your community as a way to understand it better. If yours is a new community, it may not have any specific technology yet, but even for brand new communities, the current configuration may not be empty, for instance if general tools like email or phone are going to be used. You can use a version of the table on the next page to inventory and analyze the current configuration of your community:

1. Get the big picture. Make a list of all the platforms and stand-alone tools in your community’s configuration
2. For each platform, list the tools and check the ones that are being used. Why are some not being used? Are there duplicates? Are there issues around integration between tools?
3. To the left, make a note of which community activities/orientations the tools currently support in your community
4. To the right, identify the key features of tools. Are some of these features commonly or rarely used? What are the reasons for that?
5. Assess actual tool use. Identify which are dominant and which are only used by smaller groups and individuals.

**NOTE**: Copy/paste the tables below in the case of multiple platforms/tools (each platform/tool should be represented in its unique table. Each student will fill out this file out and “Pod A” will collect and summarize results. It might help to include whatever information you find interesting based on our discussion with our key customers on September 20.

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| **Platform** | **Platform type or name** | | |
| **Supported activities** | **Tools** | **Key features** | **Usage notes** |
| Questionaries’(admission process, validate degree). Currently word document by CEAB.  \*Exhibit 1(show case of all graduate data, 12 graduate attributes from before, in word document)  Exhibit 2(transcripts)  \*6A,6B,6C(giving by engineers Canada to fill in boxes governed by CEAB).  6c -accreditation units  \*Graduate Attributes Dossie | Data Visualizer  Database Tool  Form Generator  Report/Analytics Builder | * Data visualization(histogram, pie charts) * Data results/analytics that can be displayed and controlled through verbosity filters * Filters/Constraints that can be applied to certain documents that can’t be reformatted(i.e, by the CEAB) | One major platform(e.g.: landing dashboard) that can incorporates multiple backend utility tools to handle business logic. |

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| **Stand-alone tool** | **Tool type or name** | | |
| **Supported activities** | **Tool** | **Key features** | **Usage notes** |
| Main Activity | Report/Analytics Builder | * Report generator * Excel spreadsheet automation via interactive user interface(e.g.: Zapier). * Excel macro generators | * Exhibit 1 graduate attribute showcase/infographic * 6A,6B,6C – Transfer credits, coop credits |
| Main Activity | Form Generator | * Filter/ Constraints on certain fields(mandatory fields, hidden fields based on faculty) * 2 step validation process for some forms that might need additional verification by the software committee before being approved. | * Questionaries’(admission process, etc.) |
| Main Activity | Data Visualizer | * Graph visualizations | * Assessment results for previous/current course offerings on how the 12 accreditation criteria are being met. |
| Main Activity | Database Tool | * Supports multi-client connections to perform CRUD operations on some backend DB. | Database for 6C AU’s that can be done independently than updated into 6C. Dump the data into the excel. |