UM6SS - AI Questionnaire

- Native AI functionality in Canvas right now:
  - Smart Search
    - Is an AI-powered search tool that helps students find content by searching specific words or phrases within their course content, making it super easy to locate what they need.
      - AI Nutrition Facts: Canvas Smart Search

  - **Discussion summaries**
    - Discussion Summaries:
      - An AI tool that gives a neat summary of discussion threads, highlighting the key points in a concise way. Users can further use AI prompts to gain more insight into the discussion topic and responses.
    - AI Nutrition Facts: Canvas Discussion Summaries

  - Content Curation and Course Translation are also on the horizon
    - We suggest subscribing to the AI in Education Community Group to be in the know for all native AI product releases
      - Here is also our latest update on the feature.

- Content creation: Automatic generation of lesson plans, modules and quizzes via Canvas AI
  - Upon release UM6SS will be able to utilise Block Editor: A modern, intuitive content editing experience designed to make course page creation easier, more flexible, and visually engaging for educators.
  - Instructure is also actively developing IgniteAI to potentially support content creation within Canvas. This could likely enable tasks such as automatic generation of lesson plans, modules, and assessments.
  - Combined with Canvas's open APIs and alignment with standards like LTI 1.3, institutions are well positioned to integrate both native and third-party AI tools as these capabilities continue to evolve
  - Instructure is developing an AI rubric generator but at this time which will allow the quick generation of rubrics through AI to improve the quality of assessments and reduce time spent.
    - There may be additional announcements in this regard at our InstructureCon event in July.

- Pedagogical assistance: Suggestions for exam questions and learning activities
  - Instructure is currently reviewing across the product organisation how we can support pedagogical assistance with AI in Canvas. The Ignite Agent, for example, is a planned powerful, AI-driven assistant deeply integrated with Canvas that handles complex educator tasks using natural language prompts.
    - There may be additional announcements in this regard at our InstructureCon event in July.

- Conversational assistant: Allow students to ask questions directly in Canvas and receive answers based on course content.
  - UM6SS can leverage the comprehensive [Development APIs](#) for the Canvas platform to seamlessly integrate a Large Language Model (LLM) into the platform, enabling intelligent, context-aware functionality directly within the Canvas environment.
  - While Instructure hasn't announced a student-facing conversational bot just yet, it's an exciting area with strong potential for future development.
    - There may be additional announcements in this regard at our InstructureCon event in July.

- Correction and feedback : Personalized automatic feedback on assignments (AI Assisted Feedback)
  - Grading assistance: Educators grading in Canvas will be provided AI-assisted first-pass scoring by connecting student submissions to rubrics, helping educators save time while retaining full control over final grades.
    - There may be additional announcements in this regard at our InstructureCon event in July.

- Content summary: Automatic summary of discussions, readings and videos
  - UM6SS can utilise Instructures [Discussion Summaries](#), an AI tool that gives a neat summary of discussion threads, highlighting the key points in a concise way. Users can further use AI prompts to gain more insight into the discussion topic and responses.
    - [AI Nutrition Facts: Canvas Discussion Summaries](#)
      - There may be additional announcements in this regard at our InstructureCon event in July.

- Student analysis: Predictive performance analysis and detection of at-risk students
  - UM6SS can purchase Intelligent insights providing the university with the ability to utilise the tools 'ask your data' functionality.

- ○ As part of this feature, Intelligent insights can provide indicative, predictive data to UM6SS.
- ○ UM6SS can also take advantage of Intelligent Insights - an advanced analytics feature set within Canvas - which includes the Analytics Hub and the 'Students in Need of Attention' tool. These capabilities help proactively identify at-risk students and support timely, data-informed interventions.
- ○ You can find more [information on this here](#).

- ● Accessibility: Automatic transcription and captioning via AI
  - ○ UM6SS can already utilise the Canvas Studio captioning tool to automatically translate and transcribe video captions.
  - ○ UM6SS can also harness Microsoft Immersive Reader to enhance accessibility and improve reading comprehension for all learners.
  - ○ Content Accessibility Remediation: Users in Canvas will be able to scan course content for accessibility issues and automatically generate remediations to help institutions meet accessibility standards.
    - ■ There may be additional announcements in this regard at our InstructureCon event in July.

- ● Communication: Conversational AI assistant for student questions
  - ○ While not yet in active development, a conversational AI assistant for student questions is a compelling future direction - offering the potential to improve student engagement and provide scalable, on-demand support.
    - ■ There may be additional announcements in this regard at our InstructureCon event in July.

- ● Personalized learning: Activity and resource recommendations based on student profile
  - ○ Instructure is currently reviewing across the product organisation how we can support Personalised Learning with AI in Canvas.
    - ■ However, there may be additional announcements in this regard at our InstructureCon event in July.

- ● Plagiarism detection: AI analysis for detecting similarities in assignments
  - ○ UM6SS can leverage Instructures partner ecosystem and enable plagiarism detection via LTI (Learning Tool Interoperability).
    - ■ Instructure is partnered with 2 key organisations in this field '[Inspera](#)' and "[Turnitin](#)".
  - ○ <u>UM6SS can purchase Inspera's plagiarism detection tool directly through Instructure</u> leveraging our partnership programme.

- Administrative support: Report generation and automation of administrative tasks
  - UM6SS can purchase and utilise Instructure's [Intelligent Insights](#) tool to generate reports using AI and prompts via the 'Ask Your Data' feature.
  - UM6SS can automate 'administrative tasks' by utilising Canvas open API's, please find [the documentation](#).