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# Top Level Summary Descriptions:

## Legal Document Automation

* ***UMKC Project:*** Startup Advisor Toolkit/Founders Terms Sheet Generator,
* ***BYU/Duke Law Project:*** Startup Advisor Toolkit/LLC Formation,
* ***UMKC Project:*** Establishing an automated, web-based permit processing system,
* ***MIT Project:*** Open Notice
* ***Brooklyn Law Projects:*** (I) Automated Revenge Porn / Expungement / FOIL / Mugshot Takedowns and letter drafting; (II) GCorp - New corporate structures for the digital world; (III) Vetting Regulations - Regulatory agency research database for entrepreneurs.

## Data Analytics

* ***UMKC Project:*** Parcel Assessment Tool - Abandoned Properties
* ***Mich. State Law Project:*** FCC and Agency Transparency
* ***Suffolk Law Project:*** Establishing a legal health check application
* ***MIT Project:*** City Scope & Urban Law Visualizer
* ***MIT Project:*** Enigma
* ***UMKC Project:*** Smart Cities/Sensors/Privacy Laws/Citizen Perspectives

## Semantic Systems

* ***QMUL/RAVN Project:*** Exploring new applications for AI-based technology in law
* ***MIT Project:*** FairML
* ***Brooklyn Law Project:*** Creation and automation of global standards

## Smart Transactions

* ***Vermont Project:*** Developing an expressive legal specification language
* ***QMUL/Stashcrypto Project:*** Moving from dumb to smart contracts
* ***MIT/Common Accord Project:*** [INSERT PROJECT NAME]
* ***MIT Project:*** Blockcorp - james Gilles

## New Proposed Criteria

Student Project,

\Open Source Community Project

**Further Project to be Added**

One-page descriptions for selected MIT projects

One-page description for ‘Smart Cities/Sensors/Privacy Laws/Citizen Perspectives’

# Full Project Pages:

THEME 1: LEGAL DOCUMENT AUTOMATION

## Projects 1.1 and 1.2: Legal Documentation Automation for Start-ups and Entrepreneurs

Project Outline

**Legal Technology Application Area:** Legal document automation

**Project Status:** Extended development/prototyping stage

This project will see the further development and integration of Tony Luppino’s Founders’ Terms Sheet generator tool for start-ups in initial formation/pre-venture capital stage and Larry Farmer’s & Jeff Ward’s LLC Formation tool. This will be established as a Start-up Advisor Toolkit to serve as both an efficient means for the delivery of high-quality legal services in company formation, and as the means for data collection across transactional law clinics.

**Founder’s Term Sheet Generator Tool (Tony Luppino):** An interactive suite of tools originated by Tony Luppino and refined with student teams from the interdisciplinary and inter-institution Law, Technology & Public Policy course at UMKC (UMKC Course) to assist individuals who want to start a new business, and their legal counsel, with education on pivotal issues, information assembly and the generation of a “founders’ terms sheet” to facilitate a proper choice of entity for the business and appropriate terms and conditions of the business relationship between/among the company founders, and utilize the terms sheet to electronically produce a first draft of key company organizational documents.

**LLC Formation Tool (Larry Farmer and Jeff Ward):** The LLC Formation tool has been continually developed and enhanced over a 15-year period for application in the state of Utah. It includes checklists, templates, transmittal letters and other supporting documents to support a range of state-specific company formation requirements. More recently, work has been undertaken to adapt the LLC Formation Tool for deployment in North Carolina and the establishment of online access.

Project Partners

**Academic Leads:** Tony Luppino (UMKC), Jeff Ward (Duke), Larry Farmer (B.Y.U./retired)

**Project Teams:** UMKC and Duke with further involvement from the following institutions:

**Technology Partners:** Neota Logic (Michael Mills)

**Further Strategic Partners:** Faculty and students from Missouri Western State University assisting with user experience testing.

Goals for May 5/6 Event

Obtain feedback on current prototypes on the principal project components, suggestions on the integration of those component, and ideas on using the Start-Up Advisor Tool Kit to not only assist with the efficient delivery of start-up legal services

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 1: LEGAL DOCUMENT AUTOMATION

## Project 1.3: Establishing an Automated, Web-based Permit Processing System

## Project Outline

**Legal Technology Application Area:** Legal document automation

**Project Status:** Prototyping stage

This project will focus on assisting Kansas City, Missouri with establishing a significantly more efficient process for granting permits to tradesmen (e.g. plumbers). By application of tools designed to demonstrate a decision tree approach to information acquisition, the project’s aim is to further develop a “customer assistance portal” that will streamline the process for granting multiple permits for a single activity and save significant amounts of time for the applicants and the administrative staff involved in granting permit applications.

More broadly the tools of this nature being built through the UMKC Course relating to specific permits are serving as possible templates for more comprehensive streamlining of permitting, licensing and other regulatory processes within municipal government.

Project Partners

**Academic Leads:** Chris Kopecky, Tony Luppino, Michael Robak (UMKC), various officials in Kansas City, MO city government and participants in Code for KC (part of the Code for America Brigade) working with the UMKC Course.

**Project Teams:** UMKC with further involvement from the following institutions:

**Technology Partners:**

**Further Strategic Partners:** Faculty and students from Missouri Western State University assisting with user experience testing.

Goals for May 5/6 Event

[TO BE SUPPLIED BY TONY LUPPINO OR MICHAEL ROBAK AFTER AN ASSOCIATED MEETING WITH PAUL BARHAM APRIL 20]

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 2: DATA ANALYTICS

## Project 2.1: Parcel Assessment Tool (‘Abandoned Properties’)

## Project Outline

**Legal Technology Application Area:** Data analytics and decision/policy support

**Project Status:** Prototyping stage

This project concerns the development of a web application designed with a mobile first philosophy, making real estate decision support easily accessible from any device. The target users range from real estate developers to any other person or party interested in researching information about parcels in a city as well as determining the development capacity of such parcels. The application will display useful data including; zoning, liens, lot dimensions, a geo locator, building envelopes, legal descriptions, PINs, owner information, school district, etc. and then convert that data to information regarding alternative development and land use scenarios.

This Parcel Assessment Tool (P.A.T.) will serve as the front end to the Abandoned Property Resource Center project. Vacant, abandoned and blighted properties are a significant challenge for any municipality. This project concerns the development of a website to serve two purposes: 1) identify and catalogue the actors and resources dedicated to working on this problem within Kansas City, Missouri and 2) create an educational portal that will assist the person or entity interested in developing such properties through the steps necessary to move from identification of properties to acquisition and ownership.

Project Partners

**Academic Leads:** Michael Robak and James DeLisle (UMKC School of Law and Bloch School of Management)

**Project Teams:** UMKC, various officials in Kansas City, MO city government and participants in Code for KC (part of the Code for America Brigade) working with the UMKC Course.

**Technology Partners:** Open Counter (possible)

**Further Strategic Partners:** Faculty and students from Missouri Western State University assisting with user experience testing.

Goals for May 5/6 Event

[TO BE SUPPLIED BY MICHAEL ROBAK]

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 2: DATA ANALYTICS

## Project 2.2: FCC and Agency Transparency

## Project Outline

**Legal Technology Application Area:** Data analytics and decision/policy support

**Project Status:** Development stage

Agency disclosure and transparency allow citizens and government actors to monitor administrative decisions and, in theory, further a more democratically responsive government. Agencies typically allow the public to inspect records. Yet, simply providing masses of data, made difficult to access due to poor indexing and classification—and minimal search power, does not create transparency.

Electronic discovery platforms offer the possibility of shedding light into impenetrable piles of government data. To test this possibility, we examine the Federal Communications Commission (FCC). It places its document on an online database, the Electronic Comment Filing System (ECFS). We obtained a complete download of ECFS (1992 to 2008). The dataset is large, consisting of nearly 2 million documents, spanning over 12 thousand FCC proceedings, and hundreds of thousands of comments, ex parte notices, and other submissions.

FCC orders use a different numbering system (and are placed in a different database) than the system that ECFS employs. Therefore, organizing dockets with orders—the first step to seeing how public input affects agency action, is a significant data challenge. Using the kCura Relativity platform, we have begun the process of organizing dockets and associating them with FCC orders or other agency action. We further plan to organize ex parte documents to develop social network data. This data should provide unique insights into the parties, law firms, and individuals driving national communications policy.

Project Partners

**Academic Leads:** Adam Candeub (MSU)

**Project Teams:** MSU with further involvement from the following institutions: QMUL

**Technology Partners:** Relativity Platform

**Further Strategic Partners:**

Goals for May 5/6 Event

Present the project – progress to date and objectives going forward; build involvement from other institutions, QMUL in London and maybe also Dan Katz.

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 2: DATA ANALYTICS

## Project 2.3: Establishing a Legal Health-Check Application

Project Outline

**Legal Technology Application Area:** Legal document automation and/or data analytics and decision/policy support

**Project Status:** Idea stage

**Initial description:** This project will seek to establish a legal health checkup for consumers. An expert system will be built to ask consumers basic questions about their legal needs (e.g. Since the last checkup, has a family member been born or died?  ...  A yes answer would then provide the person w/ basic info on relevant areas of law that they might need help in, like revising their estate plans or insurance policies).  On the front end it's a nice consumer service; on the back end, there'd be a great opportunity to capture info for study about what unmet legal needs exist.

Project Partners

**Academic Leads:** Gabriel Teninbaum (Suffolk)

**Project Teams:** Suffolk with further involvement from the following institutions:

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Present the project idea and build in detail; identify institutions with a strong interest in collaborating in this project.

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 3: SEMANTIC SYSTEMS

## 3.1 Project Name: Establishing a *master global privacy policy*

Project Description (Challenge, Objectives, Approach, Key Steps, Impact):

***Challenges:***

· Dealing with a patchwork of nation-specific privacy laws

· Translation issues and semantic distinctions between nations

· Potential changes in the law

· Who are the trusted intermediaries

***Key Steps:***

· Exploring and grinding up existing, online privacy policies

· Establish standards, codification and translations (General Data Protection Regulation)

· Testing with major annotations to standard policies – law student involvement

· Hosting on GitHub and other open source platforms

***Impact:***

· Allows any small company to have a legally supportable global footprint

· Protects individual privacy to the fullest extent global

· The model and process can be used and applied to other policies and documents (e.g., Terms of Service; MOUs; Codes of Conduct)

Project Partners (and Key Roles)

Lead Institution(s): Brooklyn Law

Other Academic Institutions: QMUL, Amsterdam, MIT

Technology Partners: CommonAccord and RAVN

Other Partners:

Key Insights/Outputs/Outcomes Emerging from and Progress Made on May 5&6:

Integration of constructivist and deconstructivist systems

Amplified by potential future repositories of personal information (banks?) – future customer agreements with banks

There were two idea streams: one was standardization and codification

Symantic systems -

GLTL - legal health checkup. Provided there are data exchange standards set, this can be turned into light lifting by distributing the work across institutions. Then, tackling engagement will be key, since legal healthcheckup may be as appealing as going to the dentist.

## 3.2 Project Name: Establishing a *master,* master services agreement – understanding, standardising and encoding MSA´s

Project Description (Challenge, Objectives, Approach, Key Steps, Impact):

***Challenges:***

· Inefficiencies and malpractice in supply chains

· Dealing with weak legal systems

***Key Steps:***

· Grinding up large volumes of MSAs

· Establish MSA standards and codification

· Testing

· Expanding to other use cases

***Impact:***

· Improve efficiency and compliance for organisations in the provision of services

· Increased access for small suppliers

· Reduced fraud

Project Partners (and Key Roles)

Lead Institution(s): Brooklyn Law

Other Academic Institutions: QMUL, Amsterdam, MIT

Technology Partners: CommonAccord and RAVN

Other Partners: IACCM (International Association of Contract and Commercial Management), Bloomberg Law

Key Insights/Outputs/Outcomes Emerging from and Progress Made on May 5&6:

Integration of constructivist and deconstructivist systems

## 3.3 Project Name: Establishing an automated letter generation Process for FOIL Requests and for Expungement of Records

Project Description (Challenge, Objectives, Approach, Key Steps, Impact):

***Challenges:***

· Individuals cannot easily go through the process to file error-free FOIL requests or requests for expungement of criminal records

***Key Steps:***

· Determine state-specific laws and processes for FOIL requests or expungement of criminal records

· Write code and build site that would create a form using standardized process with user-specific information.

· Expanding to other states (or make process and code accessible to schools in other states)

***Impact:***

· Relieve individuals from stigma and consequences resulting from mis-information in the hands of government or for otherwise being penalized for crimes for which they have already paid the price.

Project Partners (and Key Roles)

Lead Institution(s): Brooklyn Law

Other Academic Institutions:

Technology Partners: CommonAccord

Other Partners:

Key Insights/Outputs/Outcomes Emerging from and Progress Made on May 5&6:

Project would train students to dig into government process and laws and to deploy open source code to solve universal problems across multiple jurisdictions

## 3.4 Project Name: Establishing a legal health check application (TRACK 1)

Project Description (Challenge, Objectives, Approach, Key Steps, Impact):

This project will seek to establish a legal health checkup for consumers. An expert system will be built to ask consumers basic questions about their legal needs (e.g. Since the last checkup, has a family member been born or died? ... A yes answer would then provide the person w/ basic info on relevant areas of law that they might need help in, like revising their estate plans or insurance policies). On the front end it's a nice consumer service; on the back end, there'd be a great opportunity to capture info for study about what unmet legal needs exist.

Project Partners (and Key Roles)

Lead Institution(s): Suffolk Law

Other Academic Institutions: UMKC

Technology Partners: Neota Logic

Other Partners: To be defined

Key Insights/Outputs/Outcomes Emerging from and Progress Made on May 5&6:

Standards are critical

This should be extended to companies i.e. legal health checks for start-ups

Would become more complex if system integrated external data and clinical interviews

This project would fit better under Track 1

THEME 4: SMART TRANSACTIONS

## Project 4.1: Moving from Dumb to Smart Contracts

## Project Outline

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

This project will focus on the conversion of ‘dumb’ contracts to smart contracts. It may also consider the emergence of wholly new applications for the use of a smart contracts (and where there was no previous use of ‘dumb’ contracts).

A key project activity will be establishing frameworks that capture the information from ‘dumb’ contracts for smart contract conversion. This will include the definition and population of logical decision structures.

The technology partner for this project will be Stashcrypto, a Texas-based start-up with a strong focus in the virtual currency transaction space and that has recently developed new applications to specifically target the smart contracts space.

Project Partners

**Academic Leads:** John Cummins and Prof. Ian Walden (QMUL), Prof Oliver Goodenough (Vermont)?

**Project Teams:** QMUL and Vermont? with further involvement from the following institutions: UMKC plus others to be identified

**Technology Partners:** Stashcrypto (Chris Odon, Cliff Baltzley – Co-founders)

**Further Strategic Partners:** Selacchi (London-based law firm)

Goals for May 5/6 Event

Refine the proposed project definition and identify some strong candidates for potential application areas; recruit US-based university partners; build collaborations with other technology partners.

Outputs and Outcomes of May 5/6 Event

To be completed post event.

THEME 4: SMART TRANSACTIONS

## Project 4.2: Developing an expressive legal specification language

## Project Outline

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

While there have been several projects to create a computer programming approach to representing legal statements such as statutes, regulations, contracts and other instruments, none have so far caught on widely in practical use.  The time is right to make a concerted effort to develop an expressive Legal Specification Language, that will have the capacity both to represent the computational structure of legal specification and to allow the execution of the workflow imbedded in that structure.

This language should also have an accessible and well-designed user interface.  The initiative involves:

1) a process of specking out the needs of legal expression;

2) a survey of existing projects and approaches;

3) building on 1 and 2, the creation of the Legal Specification Language;

4) the creation of the user interface;

5) the creation of a platform on which 3 and 4 can operate; and

6) the dissemination of the language to commercial, academic, governmental, and NGO users.

The initiative can move in a phased process, although overlapping some of the functions will help in the overall integration of the design.

Project Partners

**Academic Leads:** Prof Oliver Goodenough (Vermont)

**Project Teams:** Vermont with further involvement from the following institutions:

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Refine the proposed project definition; build collaborations with other technology partners that may help to enrich the project.

Outputs and Outcomes of May 5/6 Event

To be completed post event.

## Project 4.3: Atomatrust - “Bank-in-a-box”

Project Outline

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

Project Partners

**Academic Leads:**

**Project Teams:**

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Scope a prototype and scope student paper on topic

Outputs and Outcomes of May 5/6 Event

To be completed post event.

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

Project Partners

**Academic Leads:**

**Project Teams:**

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Scope a prototype and scope student paper on topic

Outputs and Outcomes of May 5/6 Event

To be completed post event.

## Project 4.4: The Law of Extended Human Cognition

Project Outline

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

Project Partners

**Academic Leads:**

**Project Teams:**

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Scope a prototype and scope student paper on topic

Outputs and Outcomes of May 5/6 Event

To be completed post event.

**Legal Technology Application Area:** smart contracts

**Project Status:** Idea stage

Project Partners

**Academic Leads:**

**Project Teams:**

**Technology Partners:**

**Further Strategic Partners:**

Goals for May 5/6 Event

Scope a prototype and scope student paper on topic

Outputs and Outcomes of May 5/6 Event

To be completed post event.