# Logos/cis-logo-exports-final-8-2015-3/Web/2_Department_Lockups/InformationScience/cis-infosci-2-color.pngMaster of Professional Studies in Information Science

# Sponsored Project Proposal Form – Spring 2018

Please complete the following project proposal form to sponsor an MPS Project. This form will be used to determine if your project is appropriate for MPS students and whether it is of sufficient scope for a semester long project (~400-500 person-hours). We will assign teams with complementary skills based on the skills and experience you list in this form. We will also share most of this form with the students to help them make their top project choices before we assign the projects.

Please direct any questions to the MPS Project Coordinator: [is-mps-projects@cornell.edu](mailto:is-mps-projects@cornell.edu)

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| Sponsor Name | | Tompkins County Science Hub / Cornell Department of Communication | | | | | | Date | 12/13/2017 |
| Contact Name(s) | | Norman Porticella | | | Email(s) | nap28@cornell.edu | | Phone | 607-435-5319 |
| Description of the Sponsor | | | | | | | | | |
| Faculty in the Department of Communication in partnership with Tompkins County Cooperative Extension are developing the Tompkins County Science Hub (SciHub) which aims to strengthen science literacy in Tompkins County in large part by strengthening and facilitating connections between science-related organizations, partner community organizations, and local residents in the area. | | | | | | | | | |
| Please indicate which academic year and semester you would like to propose your project. | | | | | | | | | |
| Year | 2018 | | Semester | Fall | | Spring |  | | |
| Project Title | | | | | | | | | |
| Visualizing a Stronger Science Literacy Network for Tompkins County | | | | | | | | | |
| Project Goal or Description | | | | | | | | | |
| Students will create an interactive website in which users will enter information on their inter-organizational collaborations and the connections between organizations will be visualized on a map (ideally with the ability to toggle between a spherical and flat network map). Here are some initial tentative ideas: Nodes on the map will represent organizations. Strength of collaboration between orgs would be represented by distance between nodes, darkness of nodes, and thickness of lines between nodes. Clicking on a node centers and darkens it. Hovering over a node pops up the organization’s name (with a link to the organizations profile). The sphere format can be rotated (click and drag). In short, the site will require (1) a way for users to log in, (2) a way for users to enter/update their organizational information in profile pages, (3) a way for that form information to become represented visually and interactively in spherical and flat network maps. Students will join team members in the field to discuss/develop/test the interface with stakeholders in the Tompkins County community. | | | | | | | | | |
| What activities are necessary to achieve the project goal? | | | | | | | | | |
| 1. Develop an intuitive form for users to enter/update their organization’s profile information 2. Develop a secure sign-in process to get to that form 3. Develop a self-populating interactive *spherical* network map fed by the profile forms (available to the public) 4. Develop a self-populating interactive *flat* network map fed by the profile forms (available to the public) 5. Develop a way to output a report of organizational inter-connectedness 6. Meet with community stakeholders throughout the planning, development, and testing phases (listen to their needs and interests, incorporate them into the design) | | | | | | | | | |

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| What outcome would determine that the project is a success? Do you expect specific deliverables? |
| 1. It all works 2. It’s live and available to the general public 3. Community stakeholders respond mostly positively to the end result 4. It’s intuitive 5. Maintenance of the site is minimal 6. It looks really cool |
| What are the skills and experience must the students already know to start work on the project?  Please be specific and keep in mind that students will be building their skills during the duration of the project. |
| Experience with user interfaces and databases (e.g. Microsoft Excel, Access, SQL). |
| What are the skills and experience required to complete the project that the students may learn while completing the project? |
| Developing dynamic, interactive, intuitive visual representations of data.  Listening to user needs and interests and incorporating them in to design. |
| The project representative must be available 30 minutes per week for status reports, the interim report, and the final presentation. As the project sponsor, are you able to make this time commitment?  Yes. Please elaborate. |
| Yes, we will have a standing weekly meeting. |
| Some sponsors may choose to spend additional time with the student teams, e.g. phone contacts for monthly status discussions, reviewing research results, providing midpoint project feedback, and offering input to the final deliverables in advance of its completion. As the project sponsor, are you available to participate in these or any additional activities?  Yes. Please elaborate. |
| Yes. We will provide input at each stage of the process. |
| The project representative needs to facilitate access to company resources as needed and approve expenses. As the project sponsor, are you able to facilitate access to such resources, should the need come up?  Yes. Please elaborate. |
| Students will be provided all necessary resources. |
| Please consider other contributions listed below. Are you willing to make these contributions? (check all that apply)  Provide existing industry and company data as background at the beginning of the project.  Pay one or more team members to travel to your location for initial briefing / work session / final presentation.  Please elaborate. |
| We will share SciHub project plan details and provide whatever access we can to resources. |
| Please send your completed project proposal to the MPS Project Coordinator: [is-mps-projects@cornell.edu](mailto:is-mps-projects@cornell.edu) |