PROJECT PLAN DOCUMENT

Project number	***22***
Project Title	***Plugin for Ontology Extraction***
Document	***Project Plan***
Creation date	***17th September, 2018***
Created By	***SHIKHAR, SAUJAS, ANIRUDHA***
Client	***LALIT MOHAN, SERC, IIIT-H***

Brief problem statement:

- To build an application for accepting or rejecting new concepts/ relationships and save the new state after accept/reject request is made in the ontology file.

- Build mechanisms for aggregating the decisions made by multiple experts and generate one final ontology, which takes into account the decisions, made by different users for each concept/ relationship and decide which decisions will reflect in the final ontology.

Team Members:

Shikhar.

Saujas.

Anirudha.

Team roles rotating between documentation, writing JavaScript code for frontend, writing Python code for backend.

Team Communication:

- The team will meet in a common room for all the important discussions related to the project.
- The team communicates through online chat and phone calls.
- **Team Meeting Frequency:** Once a week.

- **Client Meeting Frequency:** Once a week.

Development Environment:

- WebVOWL: An existing web application that implements visual representation for OWL ontologies.
- Flask: Python module for setting up a web server.
- SQLAlchemy: Python interface for SQL databases.
- OWLReady2: Python module for reading and writing into OWL files.
- OWLAPI: API written in java for performing various tasks on ontologies.
- Programming Languages: HTML, CSS, JavaScript on the front end. on the backend, Java.
- Development Environment: Text editors and terminal environments.
- Collaboration tools: Git.

Milestone Schedule:

Milestone	Due Date	Release	Deliverable?
A login page and authentication mechanism.	10-11-18	R2	Yes
UI for Accept/Reject functionality.	30-09-18	R1	Yes
Database design for storing OWL files and updating them with expert decisions or addition of new nodes in the visual form of ontology.	30-09-18	R1	Yes
Mechanisms to aggregate expert decisions and weigh them accordingly to generate one final ontology.	10-11-18	R2	Yes
Admin uploads new OWL files.	10-11-18	R2	Yes
Color nodes which have to be annotated	30-09-18	R1	Yes