Phd Research Effort

Sai Gollapudi
Aug, 2015

IIIT-Hyd/SERC
Advisor: Prof. Venkatesh Choppella
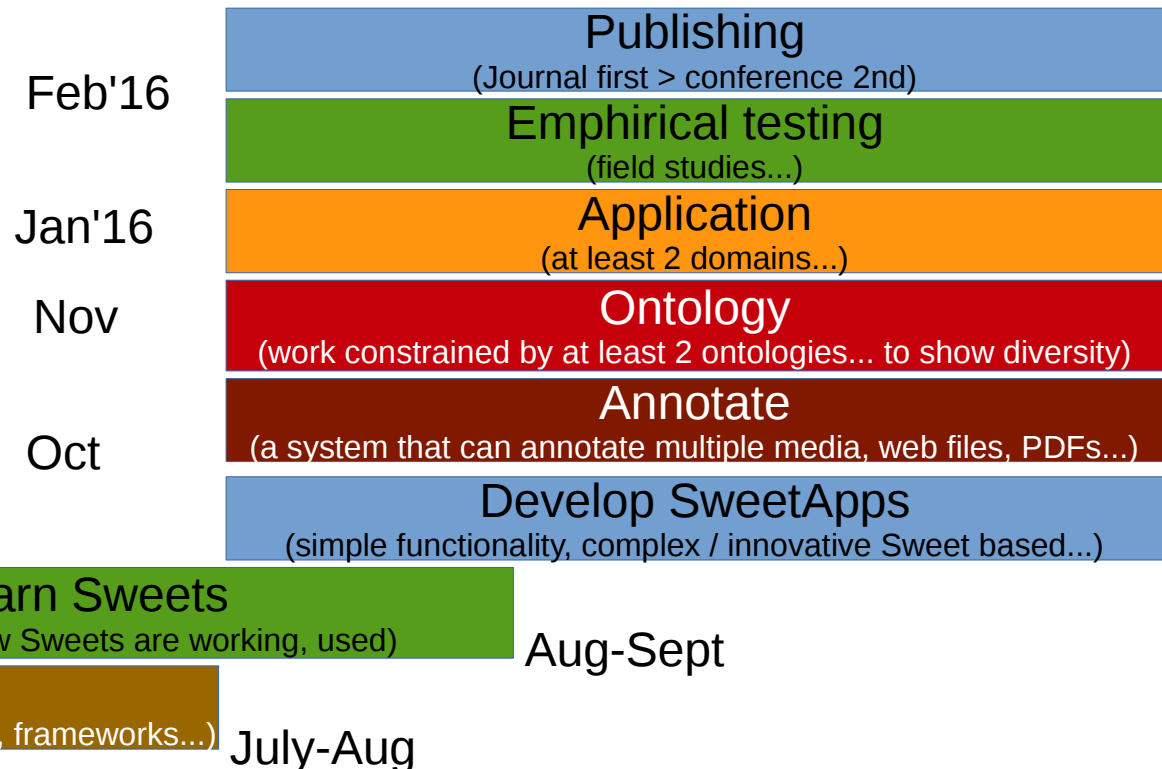
Semester Goal

1. Implementation
   - ➜ Develop a Sweet based app
   - ➜ Have a critical base for testing, publishing

2. Publication objective
   - ➜ Trying to target a journal paper first and conferences second
   - ➜ Having an implementation is key for this

Implementation objective
a Sweet based app

- Building blocks approach

Feb'16

	Publishing
	(Journal first > conference 2nd)

Emphirical testing
(field studies...)

Jan'16

Application
(at least 2 domains...)

Nov

Ontology
(work constrained by at least 2 ontologies... to show diversity)

Oct

Annotate
(a system that can annotate multiple media, web files, PDFs...)

Develop SweetApps
(simple functionality, complex / innovative Sweet based...)

Learn Sweets
(Understand how Sweets are working, used)

Aug-Sept

Learn Development
(setup of infra, learn few languages, technologies, frameworks...)

July-Aug

Overall Narattive or Thesis positioning

- Problem Statement
  - Huge amount of content exists, some of it is not accessible to specific communities. PULL model
    - E.g. English -> NonEnglish
  - Material already exists but I wish to deliver it to more consumers. PUSH model
    - E.g. mashup, translations

- My Area of Work
  - To address this PUSH, PULL of existing content, I am **proposing an approach**.
    - This approach is inspired by the Semantic web architecture.
      - It uses the concepts of Annotation, Ontologies and Logic layering.
    - For creating & managing markups as additional content on existing published web content, I will propose **Sweets** as an alternative technique.
    - The concept of Renarration & Semantic Style Sheets will be presented as theoretically relavent concepts which are being implemented by my approach
  - Furthermore, I will **build** a prototype to ground this proposed approach. (Implementation Obj)
  - Will **validate** this approach in 2 domains (NPTEL_VLABS_Education & Cartoons_for_blind) to show its credibility

Publication Objective

- No specifics known yet... to be formulated as I get more concrete in my implementation

- Target Journals with the bigger story

- Target Conferences with

  – Application / Domain specifics

  – Technique / Design specifics