



Publication of Research Contribution by NICian
In Peer Reviewed & Refereed International Journal
JOURNAL OF COMPUTING, December, 2009 Issue
New York, USA

Research Contribution

GIST – Research is in the field of Social Media Analytics and Intelligence^{1, 4}. Semantic web^{2, 3, 5} is future vision for present webs. In the evolution of Internet, Semantic web is tagged as Web Version 3.0. Semantic web enables re-usage of web content, based on the semantics, by more people and more machines through software processes. Blog is a web application. Internet Engineering Task Force (IETF) Standard named “Atom Syndication Format” is most recent metadata syndication standards for web blog applications. NICian researcher has developed two techniques named Semantic Categorization and Semantic Annotation of the content being published using Atom Syndication Format. These techniques lays foundation for mechanizing semantic retrieval and semantic reuse of multimedia content published on web using IETF Atom Syndication Format.

Title of the Research Paper – Realization of Semantic Atom Blog

[Full text of the paper](#)

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- 1 Special theme issue of IEEE Intelligent Systems scheduled in December, 2010.
- 2 [On YouTube](#)
- 3 [Tim Berners Lee on the Semantic Web at MITWorld](#)

Usefulness of Research Contribution for e-GOV

The roles & responsibilities of the stake holders of the Govt. Schemes are hierarchically and geographically distributed. People’s participation in policy making, planning, formulation, implementation, monitoring and evaluation of the Govt. schemes will definitely improve the chances of qualitatively & quantitatively achieving the objectives of the Govt. schemes. In terms of culture, language and educational background/level there is plurality amongst the stake holders of the Govt. schemes. The members of the stakeholder set changes very regularly. Maintaining sustainability in serving Govt. services satisfactorily to the citizens in India is a big challenge.

In addition to e-Gov web application, deployment of Semantic Atom Blog platform for collaboration and receiving feedbacks from the stakeholders of the Govt. Schemes will be very useful. The stakeholders of the Govt. Schemes can share their information and post their feedbacks in text/image/audio and video form over Semantic Atom Blog. The collaboration and feedback report generation can be mechanized and done over Internet. The mixture of actionable information in the form of text/image/audio/video available in any file formats/ language on the Internet can be included in the reports. Such reports can be made available on the web for the stakeholders of the Govt. schemes. In the Indian context such software tool will be very useful and will facilitate to deliver enhanced ICTe Govt. services to Indian citizens in an innovative way.



Application Scenario

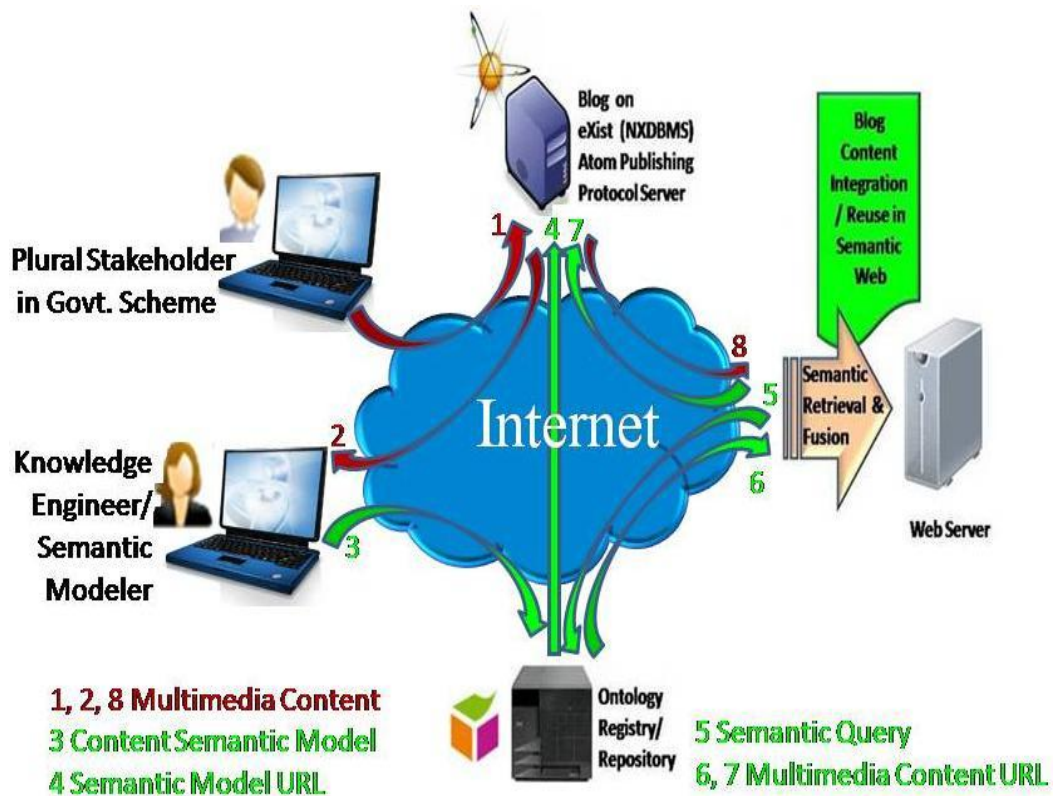


Fig. 1 Semantic Retrieval, Fusion and Re-usage of Atom Blog Content

4. The term social media (SM) refers to a conversational, distributed mode of content generation, dissemination, and communication among communities. It is a tremendous asset for understanding social phenomena and has found applications in a wide spectrum of problem domains, including business computing, entertainment, politics and public policy, and homeland security. Research in this area has focused on social media analytics and more recently social media intelligence. SM analytics deals with developing and evaluating informatics tools and frameworks to collect, monitor, analyze, summarize, and visualize data, usually driven by specific requirements from a target application. SM intelligence aims to derive actionable information from SM in context-rich application settings, develop corresponding decision-making or -aiding frameworks, and provide solution frameworks for applications that can benefit from the "wisdom of crowds" through the Web.

5. The Semantic Web is the next generation of the Web. It provides a common framework that allows data to be shared and reused across application, enterprise, and community boundaries. Semantic Web technologies facilitate building a large-scale Web of machine-readable and machine-understandable knowledge, and thus facilitate data reuse and integration so that the new generation of the Web can provide better applications and services.