Training Day4 Report:

14 June 2024

**KEY TAKEWAYS**

1. **Introduction to Semantic Web**

* Understanding the concept of the Semantic Web.
* Importance of making web data machine-readable.
* Enhancing data findability, shareability, and integration.

1. **What is RDF?**

* Introduction to the Resource Description Framework (RDF).
* RDF as a framework for representing information about web resources.
* Ensuring data interoperability across different systems and applications.

1. **How RDF Uses Graphs**

* RDF represents information in a graph form.
* Nodes represent entities or resources.
* Edges (predicates/properties) represent relationships between entities.
* Literals represent values like strings or numbers.
* Graph structure is intuitive for modeling complex data.

1. **RDF-Triple**

* RDF-triple consists of three parts: Subject, Predicate, Object.
* **Subject**: The resource being described.
* **Predicate**: The property or relationship of the resource.
* **Object**: The value of the property or another related resource.

1. **Group Exercise**

* Developed an RDF for online shopping.
* Practical application of RDF concepts.
* Collaboration and problem-solving experience.