

TRAINING DAY-4

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.

2. 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.

3. 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.

4. 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.

5. Group Exercise

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