

DSpace Content Management & Metadata Training

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

DSpace Content Management & Metadata Training by Multisoft Systems is designed to equip professionals with the knowledge and practical skills required to efficiently manage digital repositories. This training focuses on the core functionalities of DSpace, including content ingestion, organization of communities and collections, and effective metadata management using standards such as Dublin Core.

Module 1: Introduction to DSpace & Digital Repositories

- ✓ Overview of DSpace platform and its features
- ✓ Understanding digital repositories and their importance
- ✓ DSpace architecture and components
- ✓ Use cases in academic and enterprise environments

Module 2: DSpace Installation & Environment Setup

- ✓ System requirements and prerequisites
- ✓ Installation on Linux/Windows environments
- ✓ Database configuration (PostgreSQL)
- ✓ Apache Tomcat setup and deployment
- ✓ Initial configuration and verification

Module 3: Repository Structure & Content Organization

- ✓ Understanding Communities, Collections, and Items
- ✓ Structuring repository hierarchy
- ✓ Managing bitstreams and bundles
- ✓ Best practices for organizing digital content

Module 4: Content Ingestion & Submission Workflows

- ✓ Item submission process
- ✓ Bulk import and batch processing
- ✓ Workflow configuration (review, approval, editing)
- ✓ Customizing submission forms

Module 5: Metadata Fundamentals & Standards

- ✓ Introduction to metadata and its importance
- ✓ Dublin Core metadata standard
- ✓ Qualified Dublin Core and custom schemas

- ✓ Metadata fields, elements, and qualifiers

Module 6: Metadata Management & Mapping

- ✓ Metadata entry, validation, and editing
- ✓ Metadata crosswalks and mapping techniques
- ✓ Authority control and controlled vocabularies
- ✓ Ensuring metadata consistency and quality

Module 7: Search, Indexing & Discoverability

- ✓ Apache Solr indexing in DSpace
- ✓ Configuring search and browse options
- ✓ Faceted search and filters
- ✓ Improving content discoverability

Module 8: User Management & Access Control

- ✓ User roles and groups in DSpace
- ✓ Authentication and authorization
- ✓ Permission management for collections and items
- ✓ Managing access policies

Module 9: Workflow Configuration & Customization

- ✓ Defining workflow steps and roles
- ✓ Custom workflow configuration
- ✓ Notification and task management
- ✓ Workflow optimization techniques

Module 10: Interoperability & Data Sharing

- ✓ OAI-PMH protocol and harvesting
- ✓ Integration with external systems

- ✓ Import/export of metadata
- ✓ APIs and interoperability standards

Module 11: Customization & Configuration

- ✓ Configuring DSpace UI and themes
- ✓ Metadata registry configuration
- ✓ Custom fields and forms
- ✓ Branding and interface customization

Module 12: Backup, Maintenance & Performance Optimization

- ✓ Repository backup and recovery strategies
- ✓ System monitoring and log analysis
- ✓ Performance tuning and optimization
- ✓ Troubleshooting common issues

Module 13: Digital Preservation & Compliance

- ✓ Preservation strategies in DSpace
- ✓ File format management
- ✓ Data integrity and security
- ✓ Compliance with standards and policies

Module 14: Real-World Use Cases & Project Work

- ✓ Implementation scenarios in organizations
- ✓ Case studies of institutional repositories
- ✓ Hands-on project and practical exercises
- ✓ Best practices and industry standards