

DSpace Foundation/Beginner 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

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About Course

DSPACE Foundation/Beginner Course Training by Multisoft Systems is designed to introduce learners to the core concepts and functionalities of DSPACE, a widely used open-source digital repository platform. This course provides a comprehensive understanding of how institutions manage, preserve, and share digital content such as research papers, theses, datasets, and multimedia assets through structured repositories.

Module 1: Introduction to Digital Repositories & DSpace

- ✓ Overview of digital repositories and their importance
- ✓ Introduction to DSpace and its features
- ✓ Use cases in academic and research institutions
- ✓ Benefits of open-access repositories

Module 2: DSpace Architecture & Components

- ✓ Understanding DSpace architecture
- ✓ Key components: Communities, Collections, Items
- ✓ Bitstreams and bundles
- ✓ Database and storage structure overview

Module 3: Installation & Basic Setup

- ✓ System requirements for DSpace
- ✓ Installation steps (Linux/Windows overview)
- ✓ Introduction to PostgreSQL and Apache Tomcat
- ✓ Basic configuration and environment setup

Module 4: User Interface & Navigation

- ✓ Exploring DSpace UI (XMLUI / JSPUI)
- ✓ Navigation through communities and collections
- ✓ Search and browse functionalities
- ✓ Dashboard overview

Module 5: Metadata Management

- ✓ Introduction to metadata concepts
- ✓ Dublin Core metadata standard
- ✓ Custom metadata fields
- ✓ Metadata editing and validation

Module 6: Content Submission & Workflow

- ✓ Item submission process
- ✓ Uploading digital files (bitstreams)
- ✓ Workflow steps: submit, review, approve
- ✓ Managing submissions and approvals

Module 7: User Roles & Access Control

- ✓ Understanding user roles (Admin, Submitter, Reviewer)
- ✓ Authorization and authentication
- ✓ Managing user groups and permissions
- ✓ Access control policies

Module 8: Search, Indexing & Retrieval

- ✓ Search engine basics in DSpace
- ✓ Indexing concepts
- ✓ Filtering and browsing content
- ✓ Improving discoverability

Module 9: Basic Administration Tasks

- ✓ Managing communities and collections
- ✓ Editing and deleting items
- ✓ Backup and restore basics
- ✓ Monitoring repository activity

Module 10: Reporting & Statistics

- ✓ Introduction to usage statistics
- ✓ Generating reports
- ✓ Analyzing repository performance
- ✓ Understanding user activity

Module 11: Best Practices & Use Cases

- ✓ Repository management best practices
- ✓ Data organization strategies
- ✓ Ensuring data consistency and quality
- ✓ Real-world use cases and examples

Module 12: Introduction to Advanced Concepts (Overview)

- ✓ Customization possibilities in DSpace
- ✓ Integration with other systems
- ✓ Upgrade and maintenance basics
- ✓ Future scope and learning path