# Research Information Systems Training Course

Professional Development Training Course Outline

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| **Category** | Library Institute | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Research Information Systems Training Course is designed to enhance research data management, digital research infrastructure, information governance, knowledge management, and institutional research capabilities. The course equips participants with advanced skills in managing research information systems (RIS), optimizing research workflows, improving data accessibility, and supporting evidence-based decision-making through modern technology solutions. With the growing demand for research analytics, open science platforms, research repositories, and integrated information systems, organizations require professionals who can effectively manage complex research environments.

This training program focuses on emerging trends in research technology, data interoperability, research administration systems, digital transformation, and strategic information management. Participants will explore best practices in designing, implementing, and maintaining research information systems while learning from global case studies involving universities, government research agencies, and international organizations. The course supports institutions in improving research productivity, compliance, collaboration, and innovation through effective information system strategies.

## Programme Curriculum

**Research Information Systems Training Course**

**Introduction**

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**Course Objectives**

By the end of this course, participants will be able to:

1. Understand the principles of research information systems and digital research ecosystems.
2. Develop skills in research data management and information governance frameworks.
3. Apply modern technologies for research workflow automation and optimization.
4. Manage research repositories, databases, and knowledge management platforms.
5. Implement data security, privacy, and compliance strategies for research information.
6. Analyze research information using analytics and reporting tools.
7. Improve institutional research performance through integrated information systems.
8. Understand interoperability standards for research platforms and databases.
9. Develop strategies for digital transformation in research organizations.
10. Enhance collaboration through global research information networks.
11. Apply artificial intelligence and emerging technologies in research management.
12. Improve decision-making using research intelligence and analytics.
13. Design sustainable research information system strategies.

**Organizational Benefits**

- Improved research data organization and accessibility.
- Enhanced institutional research productivity and collaboration.
- Better compliance with research governance requirements.
- Increased efficiency through automated research workflows.
- Stronger data security and information management practices.
- Improved strategic decision-making using research analytics.
- Enhanced visibility of institutional research outputs.
- Better integration of research platforms and databases.
- Increased innovation through digital research transformation.
- Improved knowledge sharing across departments.

**Target Audiences**

1. Research administrators and coordinators.
2. University and academic institution managers.
3. Data analysts and information technology professionals.
4. Government research officers.
5. Research project managers.

6. Knowledge management specialists.
7. Library and information science professionals.
8. Scientific and innovation managers.

**Course Duration:** 5 days

**Course Modules**

**Module 1: Fundamentals of Research Information Systems**

- Introduction to research information systems concepts and frameworks.
- Components of modern research information ecosystems.
- Research data lifecycle management principles.
- Role of digital platforms in improving research efficiency.
- Global case study: Research information systems implementation at leading universities.
- Best practices for developing institutional research information strategies.

**Module 2: Research Data Management and Governance**

- Principles of research data collection, storage, and preservation.
- Data governance frameworks for research institutions.
- Data quality management and standardization approaches.
- Ethical considerations in research information handling.
- Global case study: European research data governance initiatives.
- Strategies for sustainable research data management programs.

**Module 3: Research Information System Architecture**

- Designing scalable research information system structures.
- Database management and integration approaches.
- Cloud-based research information system solutions.
- System interoperability and information exchange standards.
- Global case study: National research information platforms.
- Best practices in research system architecture development.

**Module 4: Digital Research Repositories and Knowledge Management**

- Development and management of digital research repositories.
- Open access platforms and scholarly communication systems.
- Knowledge sharing frameworks for research organizations.
- Managing publications, datasets, and research outputs.
- Global case study: Institutional repository systems worldwide.
- Strategies for improving research visibility and accessibility.

**Module 5: Research Analytics and Reporting Systems**

- Introduction to research analytics and performance measurement.
- Using dashboards for research decision-making.
- Tracking research impact and institutional performance.
- Data visualization techniques for research reporting.
- Global case study: Research intelligence platforms in higher education.
- Applying analytics for strategic research planning.

**Module 6: Research Information Security and Compliance**

- Cybersecurity principles for research information systems.
- Data privacy regulations and compliance requirements.
- Protecting sensitive research information assets.
- Risk management strategies for research databases.
- Global case study: Secure research environments in healthcare institutions.
- Developing information security policies for research systems.

**Module 7: Emerging Technologies in Research Information Systems**

- Application of artificial intelligence in research management.
- Role of machine learning in research analytics.
- Blockchain applications for research data integrity.
- Automation technologies for research administration.
- Global case study: AI-powered research management platforms.
- Future trends in intelligent research information systems.

**Module 8: Implementation and Strategic Management of Research Information Systems**

- Planning and managing RIS implementation projects.
- Change management strategies for digital research transformation.
- Evaluating research information system performance.
- Developing long-term sustainability plans.
- Global case study: Successful RIS transformation programs.
- Creating strategic roadmaps for research information excellence.

**Training Methodology**

- Interactive instructor-led presentations covering research information system concepts.
- Practical demonstrations of research management platforms and digital tools.
- Group discussions focusing on real-world research challenges.

- Case study analysis from global research institutions.
- Hands-on exercises involving research data management scenarios.
- Collaborative workshops for developing RIS strategies.
- Knowledge-sharing sessions with industry and academic examples.

**Register as a group from 3 participants for a Discount**

**Send us an email: info@fineskilltrainingcenter.org or call** *+254769199797*

***Certification***

*Upon successful completion of this training, participants will be issued with a globally- recognized certificate.*

***Tailor-Made Course***

*We also offer tailor-made courses based on your needs.*

**Key Notes**

**a.** The participant must be conversant with English.

**b.** Upon completion of training the participant will be issued with an Authorized Training Certificate

**c.** Course duration is flexible and the contents can be modified to fit any number of days.

**d.** The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

**e.** One-year post-training support Consultation and Coaching provided after the course.

**f.** Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Online | $1,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $1,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $4,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com