

Value added Course Syllabus

Course Title: **Digital Preservation Techniques and Tools in Libraries (DPT&TL03)**

Course Duration: **30 Hours**

Course Objectives:

1. Understand the principles and importance of digital preservation.
2. Develop skills in assessing and managing digital content.
3. Gain proficiency in metadata creation for preservation.
4. Learn about digital preservation strategies and methodologies.
5. Familiarize with preservation tools and technologies.
6. Explore the challenges of preserving born-digital materials.
7. Understand legal and ethical considerations in digital preservation.
8. Gain skills in creating preservation plans.
9. Learn about collaborative preservation initiatives.
10. Examine future trends in digital preservation.

Course Outline:

Week 1: Introduction to Digital Preservation (3 hours)

- Definition and significance of digital preservation
- Overview of the digital preservation lifecycle

Week 2: Assessing Digital Content (3 hours)

- Criteria for assessing digital content for preservation
- Tools and techniques for evaluating digital materials

Week 3: Metadata for Digital Preservation (3 hours)

- Importance of metadata in digital preservation
- Overview of metadata standards (Dublin Core, PREMIS)

Week 4: Digital Preservation Strategies (3 hours)

- Strategies for digital preservation (format migration, emulation)
- Case studies of successful preservation strategies

Week 5: Preservation Tools and Technologies (3 hours)

- Overview of tools for digital preservation (BitCurator, Archivematica)
- Hands-on experience with one or more preservation tools

Week 6: Preserving Born-Digital Materials (3 hours)

- Challenges associated with born-digital content
- Approaches for preserving websites and social media

Week 7: Legal and Ethical Considerations (3 hours)

- Understanding copyright and intellectual property in digital preservation


Coordinator
IQAC (NAAC)

Gov. al Narayan Singh University
Guntur, Andhra Pradesh, Rohtas (Bihar)



HEAD OF DEPARTMENT

Dept. of Library & Information Science

Guntur, Andhra Pradesh, Rohtas (Bihar)

- Ethical issues in preserving digital materials
- Reference Source: *Copyright and Digital Preservation* by Rebecca L. Smith

Week 8: Developing Preservation Plans (3 hours)

- Key components of a digital preservation plan
- Best practices for creating and implementing preservation plans

Week 9: Collaborative Preservation Initiatives (3 hours)

- Overview of collaborative approaches to digital preservation
- Examples of successful partnerships and consortia

Week 10: Future Trends in Digital Preservation (3 hours)

- Emerging technologies and their impact on digital preservation (AI, blockchain)
- Preparing for future challenges in the field

Assessment Methods:

- Participation in discussions and practical exercises
- Weekly quizzes to reinforce learning
- Final project: Develop a comprehensive digital preservation plan for a selected collection or type of digital content.

References:

1. Corrado, E. M., & Moulaison, H. L. (2015). *Digital Preservation: Essentials*. ALA.
2. Franks, P. G. (2015). *Preservation in the Digital World*. Rowman & Littlefield.
3. Zeng, M. L., & Qin, J. (2016). *Metadata for Digital Collections*. ALA.
4. Veeravalli, A. S. K. (2014). *Digital Preservation: A Practical Guide*. ALA.
5. McKemmish, S. D. (2017). *Digital Preservation Tools: A Practical Guide*. ALA.
6. Smith, I. O. M. R. B. R. M. (2018). *Web Archiving*. ALA.
7. Smith, R. L. (2015). *Copyright and Digital Preservation*. ALA.
8. Prom, C. J. (2018). *Digital Preservation Planning*. ALA.
9. Smith, J. E. K. L. (2016). *Collaborative Preservation*. ALA.
10. Gorman, M. J. (2020). *The Future of Digital Preservation*. ALA.
11. *Digital Preservation: Essentials* by Edward M. Corrado and Heather Lea Moulaison
12. *Preservation in the Digital World* by Patricia G. Franks
13. *Metadata for Digital Collections* by Marcia Lei Zeng and Jian Qin
14. *The Future of Digital Preservation* by Michael J. Gorman
15. *Collaborative Preservation* by John E. K. L. Smith
16. *Digital Preservation Planning* by Christopher J. Prom
17. *Web Archiving* by I. O. M. R. B. R. M. Smith
18. *Digital Preservation Tools: A Practical Guide* by Sue D. McKemmish
19. *Digital Preservation: A Practical Guide* by A. S. K. Veeravalli


HEAD OF DEPARTMENT
 Dept. of Library & Information Science


Coordinator
IQAC (NAAC)
 Gopal Narayan Singh University
 Jamuhar, Sasaram, Rohtas (Bihar)