Development of Digital Repository by Using DSpace: An Experience @ JIIT University

Dr. Sanjay Kataria
Head, Learning Resource Centre
JIIT University
A-10, Sector-62, Noida (UP) -201307 India
Phone: +91 981050 3341
Email: skataria.jiitu@gmail.com
JIIT University is a leading university in the field of technical education in India. The vision of this university is “To become a centre of excellence in the field of IT education & Training, comparable to the best in the world for producing professionals who shall be leaders in innovation”. JIIT University offers Doctoral, Post-graduate (M.Tech. and MCA) as well as Undergraduate programs (B.Tech.) in various disciplines. Please reference jiit website for more information i.e.

http://www.jiit.ac.in/jiit/index.htm
Learning Resource Centre (LRC) @JIIT University

LRC is the heart of JIIT University. The main objective of LRC is to support & enhancement of the academic, learning and research activities by providing and disseminating the value added resources and quality services.
Learning Resource Centre @ JIIT University

- **Collection:**
  30000 Books, Bound Volumes, AV and Digital Materials, 100+ Print Journals, 14000+ Journals from IEEE, ACM, Springer and LNCS.

- **Services:**
  OPAC, Reference Services, Issue/Return of books, Reprography, CAS, Scanning, Internet, Inter Library Loan, CD burning facility etc.

- **Library Automation and other IT applications**
  Fully computerized, Bar-coded, Digital Repository Services and dedicated LRC web 20. enabled Website which is under testing phase at [www.genxlib.com](http://www.genxlib.com)

- **16 staff members**
- **Open all days (Except National Holidays)**
- **Members of INDEST Consortia and DELNET**
- **Infrastructure:**
  75 PCs, 3M Security System, 350 sitting capacity, 19000 sq ft. areas, centrally air-condition and high speed internet and intranet connectivity.
Digital Repository @ JIIT University

The LRC has taken the initiative to design & development of Digital Repository by using DSpace Software for managing, preserving and disseminating the intellectual output of the university among its community. The Digital Repository Service @ JIIT University is known as “Learning Resource Centre—Digital Repository Service (LRC-DRS)”. Initially, it is accessible on Local Areas Network (LAN) but very soon will be connected to internet.

The main objective of LRC-DRS is to collect, preserve and make accessible the intellectual assets of the university 24x7. At present, it is serving about 3000 users of the university and is holding the different types of scholarly communications.. Each department of the university has its individual community and collection. The LRC-DRS is helping its users to get upload, search and download of their required content promptly. Initially, it has uploaded more then 516 documents i.e. Faculty research papers, tutorial sheet, project reports, theses etc.
Welcome to LRC Digital Repository Service

Welcome to LRC-DRS! This service will help us for capturing, archiving and distributing the intellectual output of the institute such as project reports, thesis, research papers, lecture notes and other preprints or useful documents which is really helpful for enrichment the intellectual growth of JIIT as a whole. We are seeking your cooperation to develop this service. Your suggestions are always welcome.

Know more.........

Communities in LRC Digital Repository

Select a community to browse its contents.

Department of Biotechnology [8]
Department of CSE/IT [25]
Department of Electronics & Communications Engineering [101]
Communities in LRC Digital Repository

Select a community to browse its collections.

Department of Biotechnology [55]
Department of CSE/IT [230]
Department of Electronics & Communication [117]
Department of Humanities [18]
Department of Mathematics [18]
Department of Physics and Materials Science [52]
Jaypee Business School [5]
Learning Resource Centre [21]
Possible contents in LRC-DRS

- Project reports
- Lecture Notes,
- Research Papers
- E-Books
- Images
- Audio & Video files
Designing and Customization of Digital Repository @ JIIT University
- About repository
- Author benefits
- Copyright issues
- Submission Guide
- LRC Notices/News
- Events @ LRC
- LRC-DRS FAQ

LRC organized national workshop on Building Digital Libraries on 17-18 June 2005. Some glimpse of the event is given below:
Hardware and Software Configurations

**Server configuration**
- HP- Proliant Server powered by 2 XENON Processors of 3.0 GHz each
- 4 GB Ram
- 120 GB RAID HDD
- Ethernet card of 1000 Mbps

**Software Configuration:**
- DSpace 1.3.2
- Fedora Core 3
- Postgresql 7.2
- Tomcat 5.5.9
Statistics of LRC-DRC on Jan 30, 2009
Major Problems before Development of Repository

- Mindset of Authority

- Lack of Fund

- Lack of Skills

- Lack of Infrastructure
Major Problems After Development of Repository

- Acceptability
- Visibility
- Sustainability
- Accessibility
Lesson Learnt

- Organizational commitment
- Well defined policy
- Trained Personnel
- Selection of hardware and software
- Selection of content
- Periodically Training
- Critical Review and Feedback
- Regular Maintenance
Conclusion

Institutional Repository is capable of working as an alternative tool for collecting, managing, preserving and disseminating the intellectual asset of an institute/university. It is an unavoidable necessity and requires constructive support from management, faculty and staff. It is team work under the stewardship of Librarian.
Learning Resource Centre- JIIT University
Jaypee Group of Institutions
www.jiit.ac.in

JIIT University
Noida (UP) India

JIET (MP)
India

JUIT (HP) India

2/9/2009
My contact

Sanjay Kataria
Head, Learning Resource Centre
Jaypee Institute of Information Technology University
A-10, Sector-62, Noida (UP)-201307 India
website: www.jiit.ac.in

Email: sanjay.kataria@jiit.ac.in
      skataria.jiitu@gmail.com
Phone: +91 98105 03341
Questions?
Thank you