

## RESUME

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### **ACADEMIC BACKGROUND**

Ph.D Thesis on "Problems and Perspectives in design and development of Institutional Repositories" under the guidance of Prof. B S Biradar, Chairman & HOD, DLIS, Kuvempu University, 2009

M.L.I.S, Madras 1991 Lib & Inf Sci

B.L.I.S, Bangalore 1976 Lib & Inf Sci

B.Sc, Bangalore 1974 Chemistry, Botany, Zoology

### **PROFESSIONAL EXPERIENCE: 30 years in Library & Information Service**

Present Assignment: Scientist "EII" and Head, ICAST.

National Aerospace Laboratories,

Bangalore-560017

## HONOURS/AWARDS

Recipient of the “*J William Fulbright Award in Information Sc & Tech*” Fellowship for the year 2003-4 awarded by United States Educational Foundation in India (USEFI) under Fulbright-Hayes Act of US Congress. As a Visiting Scholar, underwent Fellowship at University of Illinois at Urbana Champaign (UIUC) and University at Buffalo, State University of New York.

Recipient of the “*Outstanding Performance Award*” for Creation of ICAST Portal & Database of Books, Reports, Standards and Patents for the year 1998-99.

## EXPERIENCE SUMMARY

<u>New Initiative</u>	
<b>Library Automation</b> - Database Creation - Barcoding - Library Housekeeping	Complete > 4.0 L Records All activities
<b>Portal Design &amp; Development</b> - Aerospace Gateway - Unique Contents Organisation - > 50,000 Links - Exhaustive Indian Content	<a href="http://www.aeroinfo.org.in">http://www.aeroinfo.org.in</a> (Virtual Library)
<b>Library Web Site</b>  - ICAST Information, Collection, Services - OPAC of ICAST - Online Bookshops, Online Recommendation forms	<a href="http://www.icast.org.in">http://www.icast.org.in</a> (Service Media)
<b>Access to e-Resources</b> - IP enabled - 1000 nodes - 3 campuses (6 km apart)	<6000 from Springer, CUP, Wiley, Sage etc.+ 100 (Others) + 850 Free titles E Books from CUP, Springer, Elsevier etc Databases : WOS, Aerospace, J Gate, JCCC.
<b>News Clipping Service</b> - Aerospace, S & T - Greater user awareness - Search facility - Archiving	“Aero News”
<b>Union Catalog of Journals (Web enabled)</b>	CSIR Libraries (40 + Holdings)) + Aero libraries (20)
<b>Digital Library Initiative</b>	NAL Institutional Repository (>3000 Records) CSIR Knowledge Harvester (6 CSIR Labs) Conferences @ NAL
<b>Off campus access through EZproxy tool to NAL's e resources</b>	<6000 from Springer, CUP, Wiley, Sage etc.+ 100 (Others) + 850 Free titles E Books from CUP, Springer, Elsevier etc Databases : WOS, Aerospace, J Gate, JCCC.

<b>AIAA Meeting Papers Database</b>	>60000 Papers
<b>On-line Service</b>	Continued + Popularisation
<b>Publications (Service)</b>	Combined Aerospace Report Addition & Combined Aerospace Book Addition (Monthly)
<b>ISO 9001 Certification</b>	Divisional Representative
<b>Library Management</b> - <b>General ICAST Services</b> - <b>Manpower Management</b> - <b>Collection Development</b> - <b>Budget Control</b> - <b>Circulation</b> - <b>Inter Library Loan</b> - <b>Lib Adv Commit</b> - <b>User Training</b>	Co-ordination 12 Regular + 10 Trainees Guidance & Assistance Assistance Co-ordination Co-ordination Convener (2002-) Conduction
<b>Projects</b>	In house: Library Automation, AIAA Papers..... Sponsored/ Grant in aid : DSIR, NISSAT <b>ODIARE : PI</b>
<b>Committees, Professional</b>	Member on Technical Committees (DSIR), KALA, SLA ....
<b>Miscellaneous</b> - <b>Invited Lectures</b> - <b>Conference/Seminar Papers</b> - <b>Workshops/Seminars Organisation</b>	>30 >75 Good number of Seminars/Conferences

### General Activities:

- Member of the 'Official Language Technical Advisory' Committee at CSIR-NAL.
- President of the 'Kannada Sanskruthika Sangha' of CSIR-NAL.
- Represented Team NAL in Women's shuttle Badminton in CSIR Bhatnagar tournaments.
- Won awards in 'Town official language Implementation (Hindi).

### CONFERENCES/SEMINARS/WORKSHOPS ATTENDED (Recent ones only)

#### ➤ Publications/ Lectures:

She has contributed >75 papers in National and International conferences on different aspects of IT applications to Library and Information Science. She has delivered a good number of invited lectures both within the country and abroad on topics " Information Processing & Retrieval " , " S&T Databases", " Content management/organization", "Digital Libraries", "Open Access & Institutional Repositories", "Knowledge management", "Content Management Systems: Drupal" etc, at a few universities at USA and Kyoto university, Japan.

She has organized and conducted Conferences, seminars, workshops and training programs on the above mentioned topics.

## ➤ **Projects:**

- 1) Dr. Poornima has been nominated as members of National Technical and Advisory committees. She has also led a good number of National projects sponsored by AR&DB, NISSAT/DSIR etc.
- 2) Project Investigator for setting up of 'Digital Aerospace L&IS in India (DALIC)' initiated under the Tenth Five Year Plan.
- 3) Principal Investigator for the creation of 'Online Directory of Indian Academic and Research Establishments (ODIARE)' sponsored by DSIR.
- 4) Member of Technical Advisory Committee of 'Technology Development & Utilization Programme for Women (TDUPW)' sponsored by DSIR/DST, GOI.
- 5) Member of the 'CSIR Open Access Mandate' Committee constituted by DGCSIR.

## ➤ **International**

1. "State of the Art Information centers in India: National Aerospace Laboratories, Bangalore, India" 5.10.2010 - Frederick Emmons Terman Engineering Library, Stanford University, California, USA, 28.10.2010 at McKilden Engineering Library, University of Maryland, College Park, USA.
2. Poornima, Narayana (2004) [\*GSLIS/UIUC Experience As A Guiding Spirit In Building An Indian Aerospace Digital Library \(IADL\)\*](#). In: Guest Lecture, Proseminar at GSLIS/UIUC, USA, Feb 2004.
3. "Indian Aerospace Digital Library" during the conference on 'Future of American Libraries' at University of Illinois Urbana Champaign, USA 29 -31<sup>st</sup> October 2003.
4. "A Bird's overview on National Information Centers with particular emphasis on National Aerospace Laboratories, India. American Library Association (ALA) annual meet, Chicago November 2003.
5. Building an "Institutional Repository : NAL's Information centre.9<sup>th</sup> International Conference on Asian Digital Libraries" (ICADL), Kyoto University, Japan, 26<sup>th</sup> – 30<sup>th</sup> November 2006.
6. Aerospace Knowledge management through portal "Aero Info". International Conference on Knowledge Management (ICIM2005) , 21-5 Feb 2005, Mumbai, India.
7. Poornima, Narayana and Biradar, BS and Goudar, IRN (2008) [\*Enhancing the impact of indian scholarly communication through institutional repositories\*](#). In: ILA Platinum Jubilee International conference on "Knowledge for all: Role of libraries and information centers", 12-15 Nov 2008, Mumbai, India.
8. Poornima, Narayana and Goudar, IRN (2004) [\*A Multipurpose Indian Gateway for Aerospace Information\*](#). In: International Conference on Digital Libraries, 24-27 Feb 2004, New Delhi, India.

## ➤ **National**

I have attended a number of seminars, conferences, meetings organised by various organisations like IASLIC, ILA, SIS, NISSAT, CSIR, DRDO, ISI etc., Presented good number of papers.

### **As I see myself as a Professional**

I started my career as a humble Assistant Librarian 28 years back. Before occupying the present position of Head of well-known Information Centre of NAL, I had the opportunity of working in various section of the library at various capabilities. I am very fortunate to have led the project for database creation of ICAST holdings, a Herculean task which was completed in a record time with the assistance of trainees and my colleagues. The other challenging work is creation of ICAST Web site and a portal for Aerospace S&T. The portal has become immensely popular and has been evaluated and indexed by many well known search engines and Aerospace Portals like IAIN (AGARD), AEROSEEK, AERADE (Cranfield University), World-wide Virtual Library:

Aerospace (Embry-Riddle Aeronautical University), etc. My interaction and association with eminent professionals during my fullbright fellowship visit to leading academic centers helped me in setting up of an Institutional Repository @ NAL, a ranked IR among the top 800 Repositories in the world.

My aim is to make our ICAST as one of the model Information Center in the world especially in terms of modernization, maintenance and providing quality information services and also realize full fledged the Digital Library. The rich exposure I gained during my FULBRIGHT FELLOWSHIP awarded by United States Educational Foundation in India (USEFI) and Fulbright Foundation, USA as a visiting Scholar at Univ of Illinois at Urbana Champaign (UIUC) in setting up an Indian Aerospace Digital Library has benefited me in leading a team at National level for setting up our Institutional Repository and Digital Aerospace Library and Information center. I have presented quite a good number of papers in conferences/seminars. I have been very active in Subject related discussion forums.

I have lead some National level projects as Principal Coordinator/investigator and ordered by AR&DB and DSIR. I have organized National Seminars, Conferences and have chaired sessions on topics of relevance to the current development in the profession.

### ➤ **Papers Presented/Lectures at Conferences/Workshops/Symposiums**

1. My doctoral thesis on "Institutional Repositories (IR)" has been appreciated worldwide and has resulted in NAL taking the lead on setting up of IRs in CSIR. I along with my team has initiated training on setting up to IRs.
2. Sources on CD-ROM - CD-ROM workshops at NAL, Bangalore, Nov. 1993 & Feb. 1995.
3. Engineering databases on CD-ROM - IV Online CD-ROM Meet at CLRI, Madras, Aug. 1994.
4. CD-Networking - DRTC Annual Workshop on Information Retrieval, DRTC, Bangalore, Oct. 1996.
5. Technical Reports in Aerospace and other related subjects - Institute for Information Studies, Bangalore on 4th Feb. 1997.
6. Cataloguing aspects (OPAC) of LIBSYS System - LIBSYS Users Meet at NAL, Bangalore, Oct. 1997.
7. Implementation of ISO-9000 in Libraries - A case study of NAL's Information Center - DRTC's annual seminar on "Quality Management", Jan. 1999.
8. Electronic media Information Sources in Aerospace Technology (Communicated).
9. Internet/Intranet based Library & Information Services at NAL - IIRML Workshop, Internet School, IISc, Nov. 1999.
10. AeroInfo: A Worldwide Web virtual Library for Aerospace Sciences - DRTC Annual Seminar on 'Information Sources through electronic media', Bangalore, March 1-3, 2000.
11. Contents Organisation for effective information retrieval through the portal - AeroInfo - ASSIST I Conference on Internet Resources and Librarianship, Bangalore, Aug. 12-4, 2001.
12. Management of Internet Resources on Library Home Page: A Special reference to Library Homepage - DRTC/NISSAT Workshop on Information Resource Management, Bangalore, March 13-5, 2002.
13. Glimpses of ICAST at the service of Aerospace community - A Bird's Eye view - Proceedings of the one day Symposium in honour of Dr T S Prahlad, Director, NAL on "Aerospace Technologies and Perspectives", Bangalore, 29th May 2002.
14. Indian Aerospace Digital library (IADL)- Proposed Project towards the Fulbright Fellowship, Orientation Program for 2003-4 for Indian Fulbright Grantees, Bangalore, 11-4th May, 2003.
15. "A Fulbrighter's experience gained at GSLIS/UIUC in building an Indian Aerospace Digital library (IADL)" Proseminar GSLIS/UIUC, USA, 2nd February 2004.
16. "A Fulbrighter's experience gained at GSLIS/UIUC and Visualization of an Indian Aerospace Digital library (IADL)"

- 12th April 2004, National Aerospace Laboratories, Bangalore
  - 8th May 2004, National Center for Scientific Information (NCSI/IISc), Bangalore
17. "Online Information Renewal" NCSI / IISc, 1998.
  18. Consortia and Web: Access to e-journals, International Databases and in-house information services - CSIR V HOLIC Meeting, Trivandrum, Feb, 2002
  19. Electronic Publishing: Impact on Library and Information Services-AICTE Workshop at Don Bosco Institute of Technology, 4th August 2004, Bangalore.
  20. "Innovative services offered by ICAST/NAL for its corporate Members" at: Oct 2002, General Electric Co., Knowledge Center, Bangalore.
    - Sep 2004, General Motors Ltd., Bangalore.
    - March 2005, Infotek Associates, Bangalore.
    - June 2008, LAIRD Technologies, Bangalore.
  21. "A Model for Scientific and Technical Consortium: Case Study of CSIR" DRTC/ISI/INDEST/USEFI Symposium on Consortium Approach to resource sharing: Issues and policies, ISI, Bangalore, 6-8 October 2004.
  22. Know about E\_Affairs: E mail as a quick and effective means of communication - All India Radio, Bangalore , 19th November 2004.
  23. Exploiting e resources for information retrieval in the pursuit of Science and Engineering Research Excellence- One day workshop on "Access to e resource in Engineering Science", East Point College of Science and Engineering, Bangalore, 26th May 2006.
  24. Managing e-journals: Challenges for the Library" Refresher course on 'IT Applications for libraries', Bangalore University, Jan. 31, 2006.
  25. "Institutional Repository: An Overview" Refresher course on 'IT Applications for libraries', Bangalore University, Jan. 31, 2006.
  26. "Role of Digital Libraries in Knowledge Management" Special Guest lecture series, Dept. of L & IS, Kuvempu University, Shankarghatta, 12th April 2006.
  27. "Institutional Repositories in India: A case study of National Aerospace Laboratories" International Conference on Asian Digital Libraries (ICADL 2006), Kyoto University, Kyoto, Japan during 27th - 30th November 2006.
  28. Quick document delivery through ICAST Gateway "CSIR Journals consortium, 29<sup>th</sup> Sep 2008.
  29. "Adopting DSpace @ CSIR laboratories". DSpace users meet HP Laboratories, Gurgoan, 20-08-2007.
  30. "Knowledge Repositories : challenges of Knowledge Sharing", National Conference on "Content Management in Digital Era : Opportunities and Challenges", 12-13<sup>th</sup> March 2010, Kuvempu University, Shankarghatta, Shimoga.
  31. Paradigm Shift in Tools & Technologies in Providing Aerospace Information Services at National Aerospace Laboratories", Workshop on ICT AND ITS USAGE IN Aerospace Libraries for Information Services" AR&DB/ARP, 9TH October 2009 CEPTAM, Bangalore, India.
  32. "Information sources for Scientific Data : A Case study for Material Sciences" Specialists Meeting on Advances in Scientific databases in India, 10<sup>th</sup> -11<sup>th</sup> August 2009, IGCAR, Kalpakam.
  33. "Open Access and IR" workshop on Engineering librarianship (ELP)-2009: Perspectives and Future" 27<sup>th</sup> Feb 2009. Nitte Meenakshi College of Engineering & Technology, Bangalore.
  34. Ph.D Thesis on "Problems and Perspectives in design and development of Institutional Repositories" under the guidance of Prof. B S Biradar, Chairman & HOD, DLIS, Kuvempu University.
  35. Poornima, Narayana (2006) [\*Managing e-journals:Challenges for the Library\*](#). In: Bangalore university/UGC-College Refresher Course, 31 Jan 2006, Bangalore, India.
  36. Goudar, IRN and Poornima, Narayana (2004) [\*Emerging Pricing Models for E-Journals Consortia and Indian Initiatives\*](#). In: International Conference on Digital Libraries (ICDL), 24-27 Feb 2004, New Delhi, India.

37. "Information sources for scientific data: A case study for material sciences" Specialists meeting on "Advances in scientific databases in India" IGCAR, 10-11th August 2009.
38. Goudar, IRN and Poornima, Narayana (2004) [\*E-journals: Breaking the pricing barrier through consortia\*](#). In: ICDL 2004, New Delhi, India.
39. Poornima, Narayana (2003) [\*Know about E Affairs: Electronic Mail as Means of Electronic Communication\*](#)". Radio talk on AIR, Bangalore- September, 2005.

➤ **Book / Book Chapters**

1. Poornima, Narayana (2008) Information Revolution: Information Management to Knowledge Management. In: Perspectives on Knowledge Management. The Scarecrow Press, United Kingdom, pp. 235-243.
  2. Poornima, Narayana (2006) Electronic Mail as an Effective Medium for Information Services. In: Technology Management in Libraries. Allied Publishers Pvt Ltd, New Delhi, pp. 259-265. ISBN 81-7764-756-3.
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