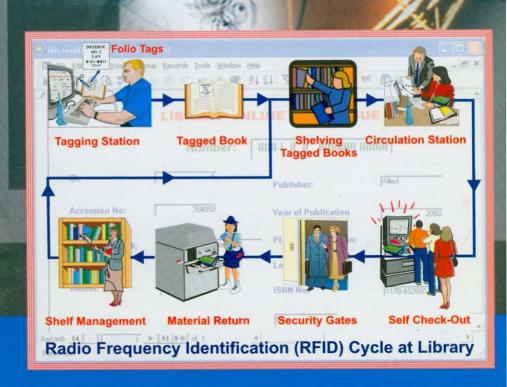




Vol. 24 July 2004 No. 4





DEFENCE SCIENTIFIC INFORMATION & DOCUMENTATION CENTRE

Defence Research & Development Organisation Ministry of Defence, Metcalfe House, Delhi-110 054

DESIDOC BULLETIN OF INFORMATION TECHNOLOGY

DESIDOC Bulletin of Information Technology endeavours to bring recent developments in information technology, as applicable to library and information science, to the notice of librarians, documentation and information professionals, students and others interested in the field. It is published bi-monthly.

The articles published in the Bulletin are indexed in *Library and Information Science Abstracts* (*LISA*) and *The Informed Librarian*. The full text of *DBIT* is being reproduced in electronic databases of HW Wilson Company, namely, *OMNIFILE* Full Text Select and *OMNIFILE* Full Text Mega. The Bulletin invites original research and review papers relating to information technology as applied to library activities, services and products. Intending author(s) may contact the Editor for further details regarding submission of papers.

Editorial Board

Chairman

Dr Mohinder Singh, Director, DESIDOC, Delhi

Members

Dr N Vijayaditya, Director General, NIC, New

Delhi

Dr JR Arora, Advisor, BTIS, Department of

Biotechnology, New Delhi

Prof S Arunachalam, Visiting Professor, IIT

Chennai

Shri Harjit Singh, Senior Advisor, Ministry of Environment & Forests, New Delhi

Dr A Lahiri, Advisor, DSIR, Ministry of Science &

Technology, New Delhi

Dr TB Rajashekar, Associate Chairman, NCSI,

IISc. Bangalore

Member Secretary

Ashok Kumar, Scientist E, DESIDOC, Delhi

Editorial Staff

Editor-in-Chief

Mohinder Singh

Viriou

Asst Editor Alka Bansal

Marketing Rajiv Vij

RK Dua RP Singh Ashok Kumar Vinod Kumari Editorial Asst

Dipti Arora

Printing
JV Ramakrishna

SK Tyagi

Editors

Subscription Information

	Inland	Foreign*	
Individuals	Rs 150	\$ 24	
Libraries/ Institutions	Rs 450	\$ 40	
*\$27 extra for	obtaining cop	ies by Air Mail.	

Single copy is also available at Rs 100. Subscriptions are payable in advance in favour of **Director**, **DESIDOC** by bank draft payable at Delhi.

Correspondence related to the Bulletin may be addressed to the Editor, *DESIDOC Bulletin of Information Technology*, Defence Scientific Information and Documentation Centre (DESIDOC), Metcalfe House, Delhi-110 054.

Tele: 011-23819975 Fax: 011-23813591

e-mail: dirdesidoc@vsnl.net

The Editors or Publisher do not assume responsibility for the statements/opinions expressed by the authors of the papers.

© 2004, Defence Scientific Information & Documentation Centre, Delhi.