## IJARSCT



International Journal of Advanced Research in Science, Communication and Technology

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 5, Issue 9, June 2025



## The Intersection between Libraries and Mathematics: Bridging Knowledge, Logic, and History

Ashim Kumar Paul

Librarian, Sushil Kar College, University of Calcutta, India ashimkrpaul21@gmail.com

**Abstract**: This article explores the relationship between libraries and mathematics, highlighting the origins of library science in India and its mathematical underpinnings. This chapter delves into the pivotal contributions of Dr. S. R. Ranganathan, a mathematician-turned librarian whose groundbreaking principles and classification systems laid the foundation for modern library science. This article examines how mathematical principles underpin library operations and explores the role of libraries in advancing mathematical research.

**Keywords**: Library Science, Mathematics, S. R. Ranganathan, Colon Classification, Knowledge Management, Library History, Mathematical Literacy, Five Laws of Library Science, Information Systems, Digital Libraries, Information Retrieval.

Copyright to IJARSCT www.ijarsct.co.in





247