CHAPTER II

REVIEW OF RELATED LITERATURE

2.0 Introduction

Chapter II presents a review of literature related to the present study. There exists an extensive body of literature related to Information Resources, Services and Facilities of academic libraries. The common elements present in the reviews are perception, attitudes, motivation, organizational commitment, Satisfaction, methods and instruments. A majority of the items included are studies on Library users while a few other users.

The reviews are arranged in an ascending chronological order, covering both Indian and Foreign publications that include periodical articles, books, reports, conference papers drawn from printed sources and electronic publications output as well.

Allen, M.B.¹ (1993) did a study on International students in academic libraries to find out the resources and services provided by the academic libraries. And also the article was published in the journal “College and Research Libraries”. It is clearly seen that, the above work is

only concentrated on students of academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Demas, S.\(^2\) (1994) did a study on collection development for the electronic library to find out the technical services available in the electronic libraries. And the study was compressed as an article and published in the journal “Library Hi-Tech.” It is clearly seen that, the above work is only concentrated on electronic libraries and its technical services. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Adams, Judith A. & Bonk, Sharon C.\(^3\) (1995) jointly did a study on electronic information technologies and resources to find out the facilities provided to the users with regard to the university faculty and the faculty preferences for related library services. And the study was compressed as an article and published in the journal “College and Research Libraries”. It is clearly seen that, the above work is only concentrated on


electronic information technologies available in University libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Johnson, Peggy\(^4\) (1995) did a study on electronic resources to find out the services and facilities provided in digital libraries. And the study was published in the Journal “Cataloguing and Classification Quarterly”. It is clearly seen that, the above work is only concentrated on electronic libraries and digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Marchionini, G & Maurer, H\(^5\) (1995) jointly did a study on the roles of digital libraries in teaching and learning. And the research report was compressed and published as an article in the journal “Communications of the ACM”. It is clearly seen that, the above work is only concentrated on roles of digital libraries in teaching and learning. But the present study is to find out the information resources, services and


facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Weiderhold, G\textsuperscript{6} (1995) did a study on the value and productivity of digital libraries to find out the resources, services and facilities available in digital libraries. And that was published as an article in the journal “Communications of the ACM”. It is clearly seen that, the above work is only concentrated on digital libraries and its resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Abels, Eileen G., Paul B Kantor, and Tefko Saracevic\textsuperscript{7} (1996) jointly did a study on cost and value of library and information services. And the study was published in “Journal of the American Society for Information Science”. It is clearly seen that, the above work is only concentrated on cost and value of library and information services. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Borgman, C\(^8\) (1996) did a study on online catalogues and the study was published in “Journal of the American Society for Information Science”. It is clearly seen that, the above work is only concentrated on online catalogues. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Butler, B\(^9\) (1996) did a study on the involvement of electronics course in digital libraries and the research article was published in “Journal of Academic Librarianship”. It is clearly seen that, the above work is only concentrated on electronic course in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Brewer, A. et al.\(^{10}\) (1996) jointly did a study on the role of services in emerging digital libraries and the research article was published in the document “proceedings of DL ‘96”. It is clearly seen that, the above work is only concentrated on digital libraries and its services. But the present study is to find out the information resources, services and facilities

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of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Duranceau, E. et al.**¹¹ (1996) jointly did a study on electronic journals in the MIT libraries to find out its services and which was published in the journal “Serial Review”. It is clearly seen that, the above work is only concentrated on electronic journals in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Erens, B**¹² (1996) did a study on factors affecting research by the recent developments in university libraries and the article was published in the journal “Library Management”. It is clearly seen that, the above work is only concentrated on the factors affecting research by the recent developments in university libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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Senkovitch, J.J. and Wolfram, D\textsuperscript{13} (1996) did a study on accessing the effectiveness of model of educating rural librarians using internet resources and the article was published in “Journal of Education, Library and Information Science.” It is clearly seen that, the above work is only concentrated on rural libraries and its services through internet resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Alvi, Wajih A\textsuperscript{14} (1997) did a study on collection development in a resource sharing environment and the article was published in the journal “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on collection development in a resource sharing environment. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Balaam, A\textsuperscript{15} (1997) did a study on a student librarian with special education needs and the article was published in the journal “School Librarian”. It is clearly seen that, the above work is only concentrated on a student librarian with special education needs. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Covi, L and Kling, R\textsuperscript{16} (1997) did a study on dimensions of effective digital library use and the article was published in the journal “Culture of the Internet”. It is clearly seen that, the above work is only concentrated on digital library usage. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Crabtree, A. et al.\textsuperscript{17} (1997) did a study on the design of digital libraries and the article was published in the journal “Proceedings of DL’97”. It is clearly seen that, the above work is only concentrated on designing of a digital library. But the present study is to find out the

information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Kaminer, Noam**\(^{18}\) (1997) did a study on scholars and the use of the internet and the article was published in the journal “Library and Information Science Research”. It is clearly seen that, the above work is only concentrated on use of internet and scholars. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Norman, O. Gene**\(^{19}\) (1997) did a study on the impact of electronic information sources on collection development and the article was published in the journal “Library Hi-Tech”. It is clearly seen that, the above work is only concentrated on electronic information resources on collection development. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Coutts, Margaret M\textsuperscript{20} (1998) did a study on the collecting for the researcher in an electronic environment and the article was published in the journal “Library Review”. It is clearly seen that, the above work is only concentrated on collecting for the researcher in an electronic environment. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

O’Hara, K.O. et al.\textsuperscript{21} (1998) did a study on users and use of library documents and the article was published in the journal “Proceedings of CHI’98”. It is clearly seen that, the above work is only concentrated on the usage of library documents. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Paepcke, C. et al.\textsuperscript{22} (1998) did a study on peculiar functions of digital libraries and the article was published in the journal “Communications of the ACM”. It is clearly seen that, the above work is only concentrated on functions of digital library. But the present study is to

find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ray, Kathryn and Day, Joan\(^{23}\) (1998) did a study on student attitudes towards electronic information resources and the article was published in the journal “Information Research”. It is clearly seen that, the above work is only concentrated on students’ attitudes towards electronic information resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Apeji, E.A.\(^{24}\) (1999) did a study on school libraries and its services and the article was published in the journal “Education Libraries Journal”. It is clearly seen that, the above work is only concentrated on school libraries and its services. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


**Bishop, A.P.** (1999) did a study on the functions of digital libraries and the article was published in the journal “Proceedings of ACM DL’99”. It is clearly seen that, the above work is only concentrated on functions of digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Gutwin, C. et al.** (1999) did a study on browsing in digital libraries with key phrase indexes and the article was published in “Journal of Decision Support Systems”. It is clearly seen that, the above work is only concentrated on browsing in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Jones, S., McInnes, S., and Staveley, M.** (1999) did a study on advances in OPAC services and the article was published in “International Journal on Digital libraries”. It is clearly seen that, the above work is only concentrated on advances in OPAC services. But the present

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study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Kynden, Frederick C.**\(^{28}\) (1999) did a study on library budgeting and the article was published in “Journal of Library Administration”. It is clearly seen that, the above work is only concentrated on library budgeting. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Majid, S. And Abazova, A.F.**\(^{29}\) (1999) did a study on electronic information sources and the article was published in the journal “Asian Libraries”. It is clearly seen that, the above work is only concentrated on electronic information resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Mary, Beth Weber\textsuperscript{30} (1999) did a study on cataloguing of internet resources and the article was published in the journal “Library Hi-Tech”. It is clearly seen that, the above work is only concentrated on cataloguing of internet resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Zhang, Y.\textsuperscript{31} (1999) did a survey on scholarly use of internet based electronic resources and the report was published in the journal “Library Trends”. It is clearly seen that, the above work is only concentrated on internet based electronic resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Al-Braid, Saleh and Ahmed, Syed Sajjad\textsuperscript{32} (2000) did a study on electronic resources in library and the article was published in the journal “Collection Building”. It is clearly seen that, the above work is only concentrated on electronic resources in library. But the present study is to

\textsuperscript{30} Mary, Beth Weber. “Factors to be considered in the selection and cataloguing of Internet Resources.” \textit{Library Hi-Tech} 17, no.3 (1999): 298-303. Print.
find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ark, C.E.\textsuperscript{33} (2000) did a comparative study on information literacy goals and student learning and it was published in the journal “Ohio Media Spectrum”. It is clearly seen that, the above work is only concentrated on information literacy goals and student learning. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Bates, P.\textsuperscript{34} (2000) did a study on the role of secondary school libraries and the article was published in the journal “New Review of Children’s Literature and Librarianship”. It is clearly seen that, the above work is only concentrated on the role of secondary school libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Billings, Harold\textsuperscript{35} (2000) did a study on collection building in libraries and it was published in “Journal of Library Administration”. It is clearly seen that, the above work is only concentrated on collection building in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Branocolini, Kristine R.\textsuperscript{36} (2000) did study on selecting research collections for digitization and the article was published in the journal “Library Trends”. It is clearly seen that, the above work is only concentrated on research collections for digitization. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Crawford, John C. And Daye, Andrew\textsuperscript{37} (2000) did a study on use of electronic services and the article was published in the journal “The Electronic Library”. It is clearly seen that, the above work is only concentrated on use of electronic services. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Golian, Linda Marie**\(^{38}\) (2000) did a study on utilizing internet resources by professionals and the article was published in the journal “Information Technology and Libraries”. It is clearly seen that, the above work is only concentrated on utilizing internet resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Gordon, Ian**\(^{39}\) (2000) did a study on academic libraries and collection development and the article was published in the journal “College and Research Libraries News”. It is clearly seen that, the above work is only concentrated on academic libraries and collection development. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Kerbal, Sandra Sandor⁴⁰ (2000) did a study on collection development for digital library and the article was published in the journal “Against the Grain”. It is clearly seen that, the above work is only concentrated on collection development for digital library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Konvacs, Diane K. And Angela Elkordy⁴¹ (2000) did a study on electronic library collection and the article was published in the journal “Library Hi-Tech”. It is clearly seen that, the above work is only concentrated on electronic library collection. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Metz, Paul⁴² (2000) did a study on principles of selection for electronic resources and the article was published in the journal “Library Trends”. It is clearly seen that, the above work is only concentrated on principles of selection for electronic resources. But the present study is to

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find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Miller, Ruth H.**[^43] (2000) did a study on electronic resources and academic libraries and the article was published in the journal “Library Trends”. It is clearly seen that, the above work is only concentrated on electronic resources and academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Press, L.**[^44] (2000) did a study on paper books to electronic books in libraries and it was published in the journal “Communications of ACM”. It is clearly seen that, the above work is only concentrated on electronic books in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ren, W.H. \textsuperscript{45} (2000) did a study on library instruction and college student efficiency in electronic information searching and the article was published in “Journal of Academic Library”. It is clearly seen that, the above work is only concentrated on library instruction and college student efficiency in electronic information searching. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Stewart, Lou Ann\textsuperscript{46} (2000) did a study on print and electronic resources and the article was published in the journal “Reference Librarian”. It is clearly seen that, the above work is only concentrated on print and electronic resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ashcroft, L\textsuperscript{47} (2001) did a study on changing culture in academic libraries and the article was published in the journal “Online Information Review”. It is clearly seen that, the above work is only concentrated on changing culture in academic libraries. But the present


study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Blandford A., Stelmaszewska H. and Bryan-Kinns, N. 48 (2001) did a case study on use of multiple digital libraries and the article was published in “Proceedings of the ACM/IEEE-CS Joint Conference on Digital Libraries”. It is clearly seen that, the above work is only concentrated on use of multiple digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

DeStefano, Paula A. 49 (2001) did a study on digital conversion in academic libraries and the article was published in the journal “College and Research libraries”. It is clearly seen that, the above work is only concentrated on digital conversion in academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Intner, Shiela, S. \(^{50}\) (2001) did a study on impact of internet on collection development in libraries and the article was published in the journal “Library collections, acquisitions & Technical services”. It is clearly seen that, the above work is only concentrated on impact of internet on collection development. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ramirez, Diana and Gyeszly, Suzanne D. \(^{51}\) (2001) did a study on net library and its functions and the article was published in the journal “Collection Building”. It is clearly seen that, the above work is only concentrated on net library and its functions. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Rogers, Sally A.\textsuperscript{52} (2001) did a study on electronic journal usage at Ohio State University and the article was published in the journal “College and Res. Lib.”. It is clearly seen that, the above work is only concentrated on electronic journal usage at Ohio State University. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Sharma, R.K. and Vishwanathan, K.R.\textsuperscript{53} (2001) did a study on the developments and challenges of digital libraries and the article was published in the journal “Library Review”. It is clearly seen that, the above work is only concentrated on developments and challenges of digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Zhang, Yin\textsuperscript{54} (2001) did a study on scholarly use of internet-based electronic resources and the article was published in “Journal of the American Society for Information Science and Technology”. It is clearly seen that, the above work is only concentrated on scholarly use of internet

based electronic resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Banks, Julie\(^{55}\) (2002) did a study on weeding book collection in the age of the internet and the article was published in the journal “Collection building”. It is clearly seen that, the above work is only concentrated on weeding book collection in the age of internet. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Casserly, Mary F.\(^{56}\) (2002) did a study on digital library collection and the article was published in the journal “Portal: Libraries and the Academy”. It is clearly seen that, the above work is only concentrated on digital library collection. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Hoggan, Danielle Bodrero\textsuperscript{57} (2002) did a study on web-based information resources and the article was published in “Journal of Academic and special librarianship”. It is clearly seen that, the above work is only concentrated on web-based information resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Jeevan, V.K.J. and S.M. Dhawan\textsuperscript{58} (2002) did a study on problems in transition to a digital library and the article was published in the journal “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on changing problems in transition to a digital library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Kumbar, Mallinath and Lohar, M.S.\textsuperscript{59} (2002) did a study on use of library facilities and information resources in Sahyadri Colleges at


\textsuperscript{59}Kambar, Mallinath and Lohar, M.S. “Use of library facilities and information resources in Sahyadri Colleges, Shimoga (Karnataka): a study.” Annals of Library and Information Studies 49, no.3. 73-83. Print.
Karnataka and the article was published in the journal “Annals of Library and Information Studies”. It is clearly seen that, the above work is only concentrated on use of library facilities and information resources in Sahydri Colleges at Karnataka. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Phillips, Faye**60 (2002) did a case study on managing special collections department in the digital world and the article was published in the journal “OCLC Systems & Services”. It is clearly seen that, the above work is only concentrated on managing special collections department in the digital world. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Siddiqui, Asif Fareed**61 (2002) did a study on use of library collection in the Jawaharlal Nehru University Library and the article was published in “IASLIC Bulletin”. It is clearly seen that, the above work is only concentrated on use of library collection in the Jawaharlal Nehru University. But the present study is to find out the information resources,

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services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Theng, Y.L.\textsuperscript{62} (2002) did a study on information therapy in digital libraries and the article was published in the periodical, “Proceedings of ICADL’02, Digital Libraries: people, knowledge and technology”. It is clearly seen that, the above work is only concentrated on information therapy in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Bar-Ilan, Judith; Bluma C., Peritzs and Wolman, Yecheskel\textsuperscript{63} (2003) did a survey of the use of electronic databases and electronic journals accessed through the web by the academic staff of Israeli Universities and the article was published in the journal, “J. Academic Librarianship”. It is clearly seen that, the above work is only concentrated on use of electronic databases and electronic journals accessed through the web by the academic staff of Israeli Universities. But the present study is to find out the information resources, services and facilities of engineering


college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

David Jebaraj, V. Franklin and Deivasigamani, M.\textsuperscript{64} (2003) did a study on electronic library and the article was published in the journal, “Library Philosophy and Practice”. It is clearly seen that, the above work is only concentrated on electronic library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ghosh, Maitrayee and Jambekar, Ashok\textsuperscript{65} (2003) did a study on networks digital libraries and knowledge management and the article was published in the journal, “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on networks digital libraries and knowledge management. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Jain, P.K.\textsuperscript{66} (2003) did a study on digitization and networking in libraries in India and the article was published in the journal, “The International Information & Library Review”. It is clearly seen that, the above work is only concentrated on digitization and networking in libraries in India. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

K. Manjunatha and Shivalingaiah, D.\textsuperscript{67} (2003) did a study on electronic resources sharing in academic libraries and the article was published in the journal, “Annals of Library and Information Studies”. It is clearly seen that, the above work is only concentrated on electronic resources sharing in academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Maheswarappa, B.S. and Ebenezer, Emmanuel C.\textsuperscript{68} (2003) did a study on use of internet resources and services in Gulbarga city and the article was published in the journal, “SRELS Journal of Information Management”.

Management”. It is clearly seen that, the above work is only concentrated on use of internet resources and services in Gulbarga city. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Nyamboga, Constantine M. and Kemparaju, T.D.** (2003) did a study on development of libraries and information centres in the electronic age and the article was published in “Annals of Library and Information Studies”. It is clearly seen that, the above work is only concentrated on development of libraries and information centres in the electronic age. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Salisbury, Lutishoor and Noguera, Emilio** (2003) did a survey on usability of e-journals and preference for the virtual periodicals room and the article was published in “Electronic Journal of Academic and Special Librarianship”. It is clearly seen that, the above work is only concentrated on electronic library. But the present study is to find out the

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information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Singh, S.P.\textsuperscript{71} (2003) did a study on evaluation of electronic reference sources and the article was published in “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on evaluation of electronic reference sources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Vaughan, K.T.L.\textsuperscript{72} (2003) did a study on changing use patterns of print journals in the digital age and the article was published in “Journal of the American Society for Information Science and Technology”. It is clearly seen that, the above work is only concentrated on changing use patterns of print journals in the digital age. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Adams, A. and Blandford, A.\textsuperscript{73} (2004) did a study on digital libraries and the article was published in “Journal of Digital Libraries”. It is clearly seen that, the above work is only concentrated on digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Arora, Jagadish\textsuperscript{74} (2004) did a study on network-enabled digitized collection at the central library in IIT Delhi and the article was published in the journal, “The International Information and Library Review”. It is clearly seen that, the above work is only concentrated on network-enabled digitized collection at the central library in IIT Delhi. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Aswani Kumar, Ch and Srinivas, S.\textsuperscript{75} (2004) did a study on adopting software agents for distributed digital libraries and the article was published in “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on software agents for


distributed digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Choukhande, G. And Kumar, P.S.G.\textsuperscript{76} (2004) did a study on analytical study of information needs and use patterns of faculty members and research scholars of Amravati University and the article was published in the journal, “ILA Bulletin”. It is clearly seen that, the above work is only concentrated on information needs and use patterns of faculty members and research scholars of Amravati University. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Gulati, A.\textsuperscript{77} (2004) did a study on use of information and communication technology in libraries and information centres and the article was published in the journal, “The Electronic Library”. It is clearly seen that, the above work is only concentrated on information and communication technology in libraries and information centres. But the present study is to find out the information resources, services and facilities

of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Inamdar, S.A.N.\textsuperscript{78} (2004) did a study on digital and electronic information handling in libraries and the article was published in the journal, “Indian Journal of Information Library & Society”. It is clearly seen that, the above work is only concentrated on digital and electronic information handling in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Jeevan, V.K.J.\textsuperscript{79} (2004) did a study on development of a digital library and the article was published in the journal, “The International Information & Library Review”. It is clearly seen that, the above work is only concentrated on digital library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

\textsuperscript{78} Inamdar, S.A.N. “Digital and Electronic Information handling in libraries.” \textit{Indian Journal of Information Library & Society} 17, no.1-2. 64-70. Print.

Nyamboga, C.M.\textsuperscript{80} (2004) did a study on development of library and information workforce in the electronic age and the article was presented in NACLIN 2003, DELNET. It is clearly seen that, the above work is only concentrated on development of library and information workforce in the electronic age. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Nyamboga, C.M.\textsuperscript{81} (2004) did a study on information skills and information literacy in Indian university libraries and the article was published in “Program: electronic library and information systems”. It is clearly seen that, the above work is only concentrated on information skills and information literacy in Indian University libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Premlet, B. And Adzes T.A., Abdul\textsuperscript{82} (2004) did a study on electronic publishing in libraries and the article was published in “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on electronic publishing in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Abdulla, Ali Dualeh\textsuperscript{83} (2005) did a study on development of electronic journals and the article was published in the journal, “Collection Building”. It is clearly seen that, the above work is only concentrated on development of electronic journals. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Bansal, Alka et al.\textsuperscript{84} (2005) did a study on digitization and preservation of documents in e-format and the article was published in the journal, “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on digitization and preservation of...
documents in e-format. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Bansal Pramendra, Singh; Manu Pratap and Pandey, Dhruba Parkas\textsuperscript{85} (2005) did a study on encryption of electronic documents in digital libraries and the article was published in the journal, “Annals of Library and Information Studies”. It is clearly seen that, the above work is only concentrated on encryption of electronic documents in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Chakravarty, Rupack and Singh, Sukhwinder\textsuperscript{86} (2005) did a study on e-resources for Indian universities and the article was published in “SRELS Journal of Information Management”. It is clearly seen that, the above work is only concentrated on e-resources for Indian Universities. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Curry, A. and Copeman, D.\textsuperscript{87} (2005) did a study on reference service to international students and the article was published in “Journal of Academic Librarianship”. It is clearly seen that, the above work is only concentrated on reference service to international students. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Dadzie, Perpetual S.\textsuperscript{88} (2005) did a study on access and usages of electronic resources in a library and the article was published in “Campus-wide Information Systems”. It is clearly seen that, the above work is only concentrated on access and usages of electronic resources in a library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Das, Binod Behari and Mazumder, Ram Prasad\textsuperscript{89} (2005) did “a study on electronic books and its cataloguing”; the article was published in “IASLIC Bulletin”. It is clearly seen that, the above work is only concentrated on electronic books and its cataloguing. But the present study

is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Fan, K.W.⁹⁰ (2005) did a study on the role of university libraries in supporting research and the article was published in the journal, “Campus-wide Information Systems”. It is clearly seen that, the above work is only concentrated on role of university libraries in supporting research. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

James, T.C.⁹¹ (2005) did a study on digital technology and libraries and the article was published in the journal, “Annals of Library and Information Studies”. It is clearly seen that, the above work is only concentrated on digital technology and libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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Jose, A. and R.L. Raina⁹² (2005) did a study on networked digital libraries and the article was published in the journal, “Herald of Library Science”. It is clearly seen that, the above work is only concentrated on networked digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Kaur, P. and S. Singh⁹³ (2005) did a study on transformation of traditional libraries into digital libraries and the article was published in the journal, “Herald of Library Science”. It is clearly seen that, the above work is only concentrated on transformation of traditional libraries into digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Krishnamurthy, M.⁹⁴ (2005) did a study on digital library services at the Indian Statistical Institute and the article was published in the journal, “The Electronic Library”. It is clearly seen that, the above work is only concentrated on digital library services at the Indian statistical institute.

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But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Malathy, S.A.**\(^95\) (2005) did a study on satellite technology in digital library and the article was published in the journal, “Information Studies”. It is clearly seen that, the above work is only concentrated on satellite technology in digital library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Mandal, M. and Panda, K.C.**\(^96\) (2005) did a study on collection development in the internet age and the need for a consortium in the engineering college libraries in West Bengal and the article was published in “SRELS Journal of information management”. It is clearly seen that, the above work is only concentrated on collection development in the internet age and the need for consortium in the engineering college libraries in West Bengal. But the present study is to find out the information

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resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Mathur, Mira\(^{97}\) (2005) did a study on performance of digital libraries and the article was published in “DESIDOC Bulletin of Information Technology”. It is clearly seen that, the above work is only concentrated on performance of digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Mounissamy, P., Kaliammal, A. and Rani, B.S. Swaroop\(^{98}\) (2005) did a study on users’ attitude towards electronic journals and the article was published in “IASLIC Bulletin”. It is clearly seen that, the above work is only concentrated on users attitude towards electronic journal. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Ayre, C., Cleeve M., Smith, I.A.\textsuperscript{99} (2006) did a study on electronic library glossaries and the article was published in “The Electronic Library”. It is clearly seen that, the above work is only concentrated on electronic library glossaries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Etim, Felicia E.\textsuperscript{100} (2006) did a study on resource sharing in the digital age and the article was published in the journal, “Library Philosophy and Practice”. It is clearly seen that, the above work is only concentrated on resource sharing in the digital age. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Gale, C.\textsuperscript{101} (2006) did a study on how the libraries enhance the learning experience and the article was published in the journal, “SCONUL Focus”. It is clearly seen that, the above work is only concentrated on learning experience enhancement. But the present study is to find out the

information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Jain, P.K. and P. Babbar**\(^{102}\) (2006) did a study on digital libraries initiatives in India and the article was published in “The International Information & Library Review”. It is clearly seen that, the above work is only concentrated on digital libraries initiatives in India. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Kaur Baljinder and Verma, Rama**\(^{103}\) (2006) did a study on use of electronic resources in a library and the article was published in “ILA Bulletin”. It is clearly seen that, the above work is only concentrated on use of electronic resources in a library. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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Kazanjian, Michael M. (2006) did a study on tomorrows’ library with online access in classroom and the article was published in “Library Philosophy and practice”. It is clearly seen that, the above work is only concentrated on online access in classroom. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Kumar, Bharat (2006) did a study on revolutionizing academic libraries and the article was published in “University News”. It is clearly seen that, the above work is only concentrated on revolutionizing academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Li, Z (2006) did a study on communication in academic libraries and the article was published in “Reference Services Review”. It is clearly seen that, the above work is only concentrated on communication in academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Manducaca, Cathryn A., Fox, Sean & Iverson, Ellen R.** (2006) did a study on digital library network and the article was published in “D-Lib Magazine”. It is clearly seen that, the above work is only concentrated on digital library network. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Mulla, K.R. & Chandrashekara, M.** (2006) did a study on e-resources in college libraries and the article was published in “Electronic Journal of Academic and Special Librarianship”. It is clearly seen that, the above work is only concentrated on e-resources in college libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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Ramesh Babu, V.P., Ganesan, A. and Maheswari, D. Uma\cite{Ramesh_2006} (2006) did a study on medical e-resources in digital libraries and the article was published in the journal, “Digital libraries: from technology to culture”. It is clearly seen that, the above work is only concentrated on medical e-resources in digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Razand, M-Masoom and Upadhyay\cite{Razand_2006} (2006) did a case study on usage of e-journals in Aligarh Muslim University and the article was published in “International Inf. & Lib.”. It is clearly seen that, the above work is only concentrated on usage of e-journals in Aligarh Muslim University. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Sami, Lalitha K. and Iffat, Rabia\cite{Sami_2006} (2006) did a study on electronic resources in public libraries and the article was published in “SRELS Journal of Information Management”. It is clearly seen that, the

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above work is only concentrated on electronic resources in public libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Saxena S. and Roy, P.K.**\(^{112}\) (2006) did a study on redesigning and restructuring library resources in the electronic era and the article was published in “Herald of Library Science”. It is clearly seen that, the above work is only concentrated on redesigning and restructuring library resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

**Barhate, B.H.**\(^{113}\) (2007) did a study on e-search in e-libraries and the article was published in “E-libraries: problems and perspectives”. It is clearly seen that, the above work is only concentrated on e-libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

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Chauhan, Suresh K. and Prem Chand\textsuperscript{114} (2007) did a study on e-journal consortium in Indian academic libraries and the article was published in “Library Philosophy and Practice”. It is clearly seen that, the above work is only concentrated on e-journal consortium in Indian academic libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Das, A.K., C. Dutta and B.K. Sen\textsuperscript{115} (2007) did a study on information retrieval features in Indian digital libraries and the article was published in “International digital library perspectives”. It is clearly seen that, the above work is only concentrated on information retrieval features in Indian digital libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Manalan, Esudoss, Selvi, Senthamil A. and Sheba Ranil, Lisa\textsuperscript{116} (2007) did a study on e-journal consortia and the article was published in “University News”. It is clearly seen that, the above work is


only concentrated on e-journal consortia. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Nandi, Subodh Gopal\textsuperscript{117} (2007) did a study on changing dimensions of library and information services in e-library environment and the article was edited and published in the book “E-libraries: problems and perspectives”. It is clearly seen that, the above work is only concentrated on changing dimensions of library and information services in e-library environment. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Natarajan, M\textsuperscript{118} (2007) did a study on e-resources in libraries and the article was edited and published in the book “E-libraries: problems and perspectives”. It is clearly seen that, the above work is only concentrated on e-resources in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Schmetzke, Axel\textsuperscript{119} (2007) did a study on electronic information resources and the article was published in “Library Hi Tech”. It is clearly seen that, the above work is only concentrated on electronic information resources. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Resnick, Taryn et al.\textsuperscript{120} (2008) did a study on e-resources in libraries and the article was published in “Library Hi-Tech”. It is clearly seen that, the above work is only concentrated on e-resources in libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Suber, Peter\textsuperscript{121} (2008) did a study on open access services to thesis in libraries and the article was published in “DESIDOC Journal of Library and Information Technology”. It is clearly seen that, the above work is only concentrated on open access services to thesis in libraries. But the present study is to find out the information resources, services and

facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Botha, Erika, Rene Erasmus, and Martie Van Deventer\textsuperscript{122} (2009) did a study on the impact of a special library and information service and the article was published in “Journal of Librarianship and Information Science”. It is clearly seen that, the above work is only concentrated on special library and information service. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Ab’s Blog\textsuperscript{123} (2009) did a study on measuring the value of the academic library and the article was available in the website. It is clearly seen that, the above work is only concentrated on academic library values. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


Sudhambika, S.R. and A. Lawrence Mary\textsuperscript{124} (2011) did a study on internet usage skills among the engineering college library professionals and the article was published in “SALIS Journal of Information Management and Technology”. It is clearly seen that, the above work is only concentrated on internet usage skills among the engineering college library professionals. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.

Sridevi, T.R. and S.N. Sridhara\textsuperscript{125} (2011) did a study on development of Library and information services in engineering libraries and the article was published in “SALIS Journal of Information Management and Technology”. It is clearly seen that, the above work is only concentrated on development of library and information services in engineering libraries. But the present study is to find out the information resources, services and facilities of engineering college libraries affiliated to Anna University Tirunelveli in and around Kanyakumari District.


2.1. Summary

Most of the reviewed studies are on the basis of common services in common libraries. But, Today's libraries are repositories and access points for print, audio, and visual materials in numerous formats, including maps, prints, documents, microform (microfilm/microfiche), CDs, cassettes, videotapes, DVDs, video games, e-books, audio books and many other electronic resources.

Libraries often provide public facilities to access their electronic resources and the Internet. Modern libraries are increasingly being redefined as places to get unrestricted access to information in many formats and from many sources. They are extending services beyond the physical walls of a building, by providing material accessible by electronic means, and by providing the assistance of librarians in navigating and analyzing tremendous amounts of information with a variety of digital tools.

The present study is on the basis of information resources, services and modern facilities provided by the engineering colleges affiliated to Anna University Tirunelveli.