CHAPTER- 6

CONCLUSIONS AND SUGGESTIONS

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CHAPTER- 6
CONCLUSIONS AND SUGGESTIONS

The present research is a study of “Information Seeking Behaviour of the Faculty and Researcher in the Agricultural University of Gujarat”. The Librarian, Faculty and Researcher on the basis of the analysis of data have arrived at some conclusions.

The Hypothesis in present study is being tested whether they stand accepted / proved or rejected/disapproved.

The following are the fourteen hypothesis of the study-

**Hypothesis- 1:** it is evident from Table No.5.2.11.7 that the information need of faculty and research scholars of Agricultural University of Gujarat is different. They get information from Text Books, Periodicals, Thesis as a main source of information.

Table number 5.2.13.1 indicates that 21 (12.50%) faculty use books, 16 (9.52%), use periodicals, 14 (8.33%) use newspaper files, 10 (5.95%) use press cuttings, 12 (7.14%) use doctoral dissertations and theses, 11 (6.54%) use References Books as a source of Informal 5 (2.98%), use Document, 4 (2.39%), use Maps, 6 (3.58%) use Statistical Tables 6 (3.58%), use of Proceedings of Conference/ Seminars, 12 (7.14%) use Library Acquisition lists, 10 (5.95%) use survey articles, 11 (6.54%) use official documents and 10 (5.95%) use of faculties of Internet as a source of Information.

Table No. 5.2.13.2 indicates that used by Formal Information Sources in Agricultural University faculties out of 32 (19.04%) use Textbooks/ Handbooks, 26 (15.47%) use Periodicals, 15 (8.92%) use Encyclopaedias, 12 (7.14%) use Dictionaries, 12 (7.14%) use Research Report, 13 (7.73%) use Proceedings of Conference/ Seminars/ Workshop, 5 (2.98%), use Advances in Progress in Annual review, 4 (2.39%), use Patterns, 6 (5.59%) use of faculties Standards 10 (5.95%), use Theses and Dissertations, 12 (7.14%) use References Books, 8 (4.76%) use Indexing Journals 6 (3.59%) use Abstracting Journals and 7 (4.14%) use Bibliographies as a formal information sources.

The Table number 5.2.13.3 indicated that the different Informal Information Sources used by Agricultural University faculties. Out of 42 (25%) use Discussion with Colleagues/ teachers, 54 (32.14%) use Attending Lectures, 36 (21.42%) use
Attending Seminars/Conferences/ Workshops, 24 (14.28%) use Reading list prepared by Librarians, and 12 (7.14%) use of If others information.

Most of the respondents use more than one source of information. The Hypothesis-1 stands accepted or we can say the findings of present study prove this hypothesis.

**Hypothesis-2:** it may be noted by some tables, that reading habits of faculty and research scholars are very high. They are very much aware of latest Journals, Pamphlets, and Bulletin & E-resources in their related field.

The table no. 5.2.13.10 indicated that 15 (14.70%) researcher has been availability of following e-resources databases (Abstract and Indexing databases), 14 (13.73%) full text databases, 24 (23.52%) e-books, 18 (17.65%) e-journals, 12 (11.77%) e-newsletters, 10 (9.80%) Web resources, 9 (8.83%) Open sources.

Most of University library members Separated Reading Room Facilities provided- 9428 (86.14%) agricultural university libraries are available in separate reading facilities are yes, and 1518 (13.86%) agricultural university libraries are available in separate reading facilities are not available.

Table no. 5.2.16.4 indicated that majority of agricultural University faculty provided by Knowledge about a new publication acquired facilities by libraries user out of 26 (15.48%) faculties gain knowledge through Display in libraries, 32 (19.05%) faculties said through list of editors, 18 (10.71%) faculties knowledge of new books publication in use of library catalogue, 38 (22.61%) faculties know of new books publication in use of library information through teachers and 54 (32.15%) faculties Information through other librarian and library staff.

Table No. 5.2.16.10 indicated that most of agricultural University faculty provided by get latest books opinion out of 128 (76.20%) is yes given their opinion that they get latest books in University Libraries, and 40 (23.80%) do not get latest books in the library.

The table no 5.2.16.21 show that all Agricultural universities libraries have been regular display of current journals has yes. The second hypothesis of the present study is also supported by the findings.

**Hypothesis -3:** it may be noted there is the lack of information services in libraries in Agricultural University of Gujarat state.
Table No. 5.2.14.1 Use fullness of information services provided by agricultural University Faculties in Library out of 25 (14.88%) faculties use Circulation services, 27 (16.07%), use References Services, 23 (13.70%) use Indexing Services, 15 (8.92%) use Abstracting Services, 21 (12.50%) use Photocopying Services, 16 (9.52%) use Current Awareness Services, 18 (10.71%) use Translation Services, and 23 (13.70%) use of Interlibrary Loan Services. Most of Faculties use more than one service and maximum number of faculties uses references services.

Table No. 5.2.16.34 show that provided by Information Technology Services is library users by faculty and researchers has been use of computer service, fax service, mobile service, e-mail service, internet service, on-line service and CD-ROM service, etc. information technology services provided in AU libraries of Gujarat State.

**Hypothesis -4 :** It may be noted by Table No. 5.2.6.2 reveals that working hours of Agricultural University library affect the users of Faculty and Researchers is University library timing has comfortable. The University Libraries circulation section and reading room timing is Monday to Friday 8.00 AM to 8.00 PM.

**Hypothesis-5 and 6 :** It may be noted by Table No. 5.2.5.2, 5.2.5.3 and 5.2.5.4 Relationship between the University Library Staff of librarians and library professional staff is capable to provided by Information seeking behaviour service of the faculty and researchers in Agricultural University Libraries of Gujarat.

Highlights that some Professional Staff- Librarian, Deputy Librarian, Assistant Librarian Sr. Scale, Assistant Librarian and Sr. Prof. Assistant, Semi-Professional staff- Reference Assistant, Technical Assistant, Library Assistant, and Non-Professional staff- Library Assistant, Senior Clerk, Junior Clerk, Attendant, Peons, and Sleeper etc. are available in all Agricultural university of Gujarat State. Indicated Figure no. 5.2.5.3 and Figure No. 5.2.5.4 show that out of 7 (25.92%) library professional staff and 19 (29.24%) library non-professional staff is available in Anand Agricultural University library. 6 (22.22%) library professional staff and 15 (23.08%) library non-professional staff is available in Junagadh Agricultural University library, 9 (33.34%) library professional staff and 17 (26.15%) library non-professional staff is available in Navsari Agricultural University library, 5 (18.52%)
library professional staff and 14 (21.53%) library non-professional staff is available in Sardarkrushinagar Dantiwada Agricultural University Library.

**Hypothesis-7:** Table No. 5.2.16.19 Faculty member and research scholars devote a lot of time in Searching information. Most of Use of Search Engine service in Greater in AU Libraries users problem of searching information is 18 (17.65%) researchers has been problem of searching information because lack of library automation is yes, and 84 (82.35%) researchers has been problem of searching information because lack of library automation is no.

Table No. 5.2.17.19 show that face any problem of searching information by Agricultural University Researcher out of 33 (32.35%) because lack of library automation is extremely difficult, 26 (25.49%) considerable problem, 21 (20.59%) little problem, 22 (21.57%) No Problem.

It also indicates that computerized services are being used by a very small number of faculty and researchers. This also shows, that they have to search their information manually and as such spend more time for searching information.

**Hypothesis-8:** Table and Interview of Faculty and Researchers of different subject of Agricultural University Library indicate that Audio-Visual services are provided by some universities. This service is open only for specific users. A very few 8 (4.77%) Faculty respondents use of audio-visual materials and most of the respondents use of electronic information sources out of 7 (6.87%) research need has been use of electronic information sources have audio-visual material. Thus hypothesis No.8 is accepted.

**Hypothesis-9:** it is evident from table no. 5.2.15.6 that very few respondents use computerized services. It is also clear that none of the faculty and researchers is getting Issue/return of books, by computer.

Table No. 5.2.16.15 users most of computerized library services provided by the University library user of faculty and researchers are circulation service, literature search within the libraries service, literature search through national net works service, literature search through international net works service. The data collected from the University library also indicates that they are in process of computerization of their library. Internet Services and E-mail services are being provided by Agricultural University Libraries of Gujarat. Thus hypothesis-9 is supported by the results of the present study.
**Hypothesis-10**: It is may be most of the faculty and researchers are use of indexing and abstracting services and sources in university library only and Photocopying, current general awareness services are provided by the university library.

Most of all AU libraries services provided by user in faculty and researchers have been library services are Circulation services, reference services, Indexing services, Abstracting services, photocopying services, Translation services, Networking services, Inter library loan services and any other services provided in AU Libraries of Gujarat State. Most of Faculties use more than one service and maximum number of faculties uses references services.

**Hypothesis-11**: It is evident from Table no. 5.2.3.5 and Table no. 5.2.14.9 that the Books are the most used documents by faculty and research scholars, followed by reference and periodicals. shows the number of faculties visit the library in use of document event very frequently who do use library to get books issued number of faculties is 36 (21.42%), frequently is to use periodicals is 35 (20.83%), Sometimes is to use references materials is 29 (17.27%), Rarely is to read newspapers/Magazines is 26 (15.48%), Never to use audio-visual materials (Internet) is 20 (11.90%), to browse periodical/books are faculties use of library document collection are visit the library.

Most of used documents shows the number of researchers visit the library in use of document event very frequently who do use library to get books issued number of researchers is 25 (24.51%), frequently is to use periodicals is 23 (22.55%), Sometimes is to use references materials is 21 (20.60%), Rarely is to read newspapers/Magazines is 16 (15.68%), Never to use audio-visual materials (Internet) is 17 (16.66%) to browse periodical/books are researchers use of library document collection are visit the library.

**Hypothesis-12**: Most of the faculty and researchers use indexing and abstracting services and sources in university library only. Information services provided by Agricultural University Faculties 23 (13.70%) faculties use Indexing Services, 15 (8.92%) faculties use Abstracting Services,

Table number 5.2.13.2 shows the different Formal Information Sources used by Agricultural University faculties indicates total user is 8 (4.76%) use Indexing
Journals 6 (3.59%) use Abstracting Journals and 7 (4.14%) use of faculties of Bibliographies.

Among the table no. 5.2.13.7 shows that indicted user of researchers out of 5 (4.91%) researchers has been research need have Indexing Journals, 5 (4.91%) researchers has been research need have Abstracting Journals.

**Hypothesis-13:** It is evident from Table No. 5.2.9 and 5.2.4.2 that the faculty and researchers of Agricultural University attend conferences, seminar, workshop and Lectures on their subject for gathering information. They are very much aware of such activities. Table no. 5.2.9 shows that Research papers Presentation Faculty by National/International level out of 96 (57.14%) faculties send research papers in National level Seminars and conference, 72 (42.86%) faculties send research papers in International level Seminars and conference. And table no. 5.2.4.2 show that Research Papers Presentation by Researchers out of 74 (72.55%) National Seminars, 28 (27.45%) International Seminars, and Faculty and Researcher Attended by national and international conference/seminar and workshop 92 (90.20%) attended in national and international conference/seminar and workshop is yes and 10 (9.80%) not attended in national and international conference/seminar and workshop institute.

**Hypothesis-14:** Faculty and researcher get a very little to consult libraries information sources provided by the university libraries are inadequate and are not in conformity with the information seeking behaviour of faculty and researcher.

The Table number 5.2.13.1, Table No. 5.2.13.2 and Table No. 5.2.13.3 shows that use of information sources in A. U. Faculties use of majority indicates information sources use Textbooks/ Handbooks, Periodicals, References Books and Proceedings of Conference/ Seminars as the Sources of Information.

Majority of used informal information sources indicates use of faculty out of 42 (25%) use Discussion with Colleagues/ teachers 54 (32.14%) use Attending Lectures, 36 (21.42%) faculties use Attending Seminars/Conferences/ Workshops, 24 (14.28%) faculties use Reading list prepared by Librarians, and 12 (7.14%) faculties use of If others information.

Most of user in researchers have purpose of information sources in Research Need indicated out of 27 (26.48%) researcher has been research need Academic purposes, 25 (24.50%) Research, 26 (25.50%) Course work, 16 (15.68%) Competitive examination and 8 (7.84%) Keep up to date.
6.2. **Summary of Findings:-**

Data collected in agricultural university libraries of Gujarat State through questioner was analyzed and interpreted in chapter- 5. According to discussion in chapter-6 following findings have been derived. And data collected from the faculty (Professor, Associate Professor and Assistant Professor) of 168 respondent and researches (M. Phil. Researchers and Ph.D. Researchers) of 102 respondents, and 4 University librarians of respondents their feedback for the questionnaire. Of this 77.5 (%) were Faculty and researcher and 100% were librarian respondents are fillip the questionnaire in Agricultural university libraries of Gujarat state. Through questionnaire was analyzed and interpreted in chapter-5 following finding have been derived.

6.2.1. **General Information about Library:**

General information about the libraries studied like type and level of the institution analyzed under this section.


2. All Agricultural Universities and University libraries are facility provided by personal Web site and E-mail service.

3. Working timing of the all Agricultural University Libraries is 8.00 AM to 8.00 PM. He timing has comfortable in all faculty member and researchers’ member.

4. All Agricultural university libraries source of finance in UGC Grant, Government of Gujarat Grant, ICAR Grant, Library Fees, and library plenty.

5. The total annual budget of all Agricultural University Libraries of Gujarat State Last Three Year (2012-13, 2013-14, 2014-15) : (1) Total annual budget of Anand Agricultural University library last three year is Rs. 5, 82, 41,790 Laces rupees is approximate budget. (2) Junagadh Agricultural University library last three year total annual budget is Rs. 5, 47, 73,177 Laces rupees are approximate budget. (3) Navsari Agricultural University library last three year total annual budget is Rs.5, 49, 36,590 Laces rupees is approximate budget. (4) Sardarkrushinagar Dantiwada Agricultural University library last three year total annual budget is Rs. 5, 59, 20,404 Laces rupees is approximate budget.
6. All agricultural universities libraries building is sufficient as per the requirements but library furniture out of 2 (50%) is yes sufficient and 2(50%) is not sufficient as per the requirements.

7. Academic purposes seem to be the major purpose for which users visit the library and textbooks have been identified to be the major source of information.

8. Faculty and Researchers use other resources like e-books, e-journals and others.

9. Total number of all agricultural university Libraries Users (Membership) is about

10. 3078 (28.11%) membership are available in Anand Agricultural University library. 2513 (22.95%) membership are available in Junagadh Agricultural University Library. 2734 (24.97%) membership are available in Navsari Agricultural University library. 2621 (23.94%) membership are available in Sardarkrushinagar Dantiwada Agricultural University library.

11. Questionnaires filop the all Agricultural University Librarians, faculty and Researchers is responded total 4 Librarians 168 Faculties and 102 Researchers. Four Agricultural Universities of Gujarat among these 58 (34.52%) Assistant Professor, 40 (23.82%) Sr. Assistant Professor, 38 (22.62%) Associate Professor, and Professor 32 (19.04%), total 102 Researchers 32 (31.38%) researchers is M. Phil Degree and 70 (68.62%) Researchers have Ph. D. Degree.

12. Where as in four agricultural university libraries faculty has been out of 98 (58.33%) faculties are Male and 70 (41.67%) faculties are female. And 64 (62.75%) Researchers are Male and 38 (37.25%) Researchers are female are studying my research work.

13. Present Collection of four Agricultural University Libraries of Gujarat State is total no. of present documents 3, 21,686 Out of these 2, 25, 217 are books, 40401 journals (Bound Volumes), 13968 Ph. D Theses, 23869 dissertation and research reports, 15381 reference books, 678 Indian journals, 367 foreign journals, 1285 audio-visual documents are CDs, 500 audio-visual documents are DVDs, and 20 other documents.

14. Present Collections of Anand Agricultural University Library is 109797.

15. Present Collections of Junagadh Agricultural University library is 68168.

16. Present Collections of Navsari Agricultural University library is 73952.

17. Present Collections of Sardarkrushinagar Dantiwada Agricultural University Library 69769.
18. All Agricultural University Libraries has partly Open Access System. Only Faculties and Researchers are allowed in to Stock Area. Students are mainly concerned with Textbooks; they are kept in circulation section of library.

19. Services, which are being provided to the Faculty and Researchers of the Agricultural University Libraries of Gujarat State, are 4 (11.11%) Circulation services, 4 (11.11%) reference services, 4 (11.11%) Indexing services, 4 (11.11%) Abstracting services, 4 (11.11%) photocopying services, 1 (2.78%) Translation services, 4 (11.11%) Networking services, 4 (11.11%) Inter library loan services and 3 (8.34%) any other services.

20. Most of faculty and researchers use more than one service and maximum number of faculty and researchers uses of references services.

21. All Agricultural University Libraries is in the process of computerization of the different library services.

22. For communication of information to faculty and researchers, face to face and telephones are the means of communication mainly used.

23. DDC is the scheme of library classification, used by All Agricultural University Libraries of Gujarat State.

24. All Agricultural University Libraries of Gujarat State is library catalogue code which is followed for cataloguing is AACR-II.

25. All Agricultural University Libraries also provide Inter Library Loan Service facility of books and journals to the Faculty and Researchers.

26. Increasing the number of Textbooks/ Handbooks, Periodicals, References Books and Proceedings of Conference/ Seminars was the main source of information is suggestion given by faculty and researchers to improve the library usage.

6.2.2 Library Personnel (LIBRARY STAFF STRENGTH) :-

27. Present Qualification of all Agricultural University libraries librarian is fully qualified as per UGC rules and regulation guide line. He is M.A. / M.Com/ M. Sc. degree, M. L. I. Sc., M. Phil. Degree and NET/SLET Degree and Ph. D. degree in Library and Information Science.

28. The total strength of library staff of all Agricultural University Libraries of Gujarat State out of 15 (31.92%) Professional, 14 (29.78%) Semi-professional, and 18 (38.30%) Non-professional, but the staff is not sufficient as per the requirements. (1) 14 (29.78%) library staff is available in Anand Agricultural University library. (2) 12
(25.54%) library staff is available in Junagadh Agricultural University library. (3) 11 (23.40%) library staff is available in Navsari Agricultural University Library. (4) 10 (21.28%) above library staff are available in Sardarkrushinagar Dantiwada Agricultural University Library.

29. Present Designation of all Agricultural University Libraries Professional Staff out of 12 (4X3) (44.46%) designation of Librarian, Reference Assistant, Technical Assistant etc., 6 (2X3) (22.20%) designation of Assistant Librarian Sr. Scale, Assistant Librarian and Sr. Prof. Assistant etc., 9 (33.34%) designation of Library Assistant. (1) 7 (25.92%) library professional staff is available in Anand Agricultural University library. (2) 6 (22.22%) library professional staff is available in Junagadh Agricultural University library. (3) 9 (33.34%) library professional staff are available in Navsari Agricultural University library. (4) 5 (18.52%) library professional staff is available in Sardarkrushinagar Dantiwada Agricultural University Library.

30. Present Designation of non- professional staff in all agricultural University Libraries of Gujarat State out of 24 (8X3) (36.90%) non-professional staff of Library Assistant, Senior Clerk, and Junior Clerk etc. 16 (24.63%) non-professional staff of Library Attendant, 17 (26.16%) non-professional staff of Peons, and 8 (12.31%) non-professional staff of Sleeper. (1) 19 (29.24%) library non- professional staff are available in Anand Agricultural University Library. (2) 15 (23.08%) library non- professional staff are available in Junagadh Agricultural University library. (3) 17 (26.15%) library non- professional staff are available in Navsari Agricultural University Library. (4) 14 (21.53%) library non- professional staff are available in Sardarkrushinagar Dantiwada Agricultural University Library.

31. Present Staff Promotion Policy is available in AU Libraries of Gujarat State. And Promotion Criteria of AU Libraries of Gujarat State out of 4 (50%) Universities library staffs of promotion criteria have mention is Seniority System, 2 (25%) Assessment system and 2 (25%) Seniority and Assessment system.

32. Present Agricultural University Libraries Staff of Management Skills out of 40 (66.67%) Excellent, 11 (18.33%) very good, 4 (6.67%) satisfactory, and 5 (8.33%) Agricultural University library staff of management skill has Poor.

6.2.3 Agricultural University Libraries Sections:-

33. All agricultural University libraries has all important sections as Acquisition Section, Book and Periodical Selection, Technical Section, Circulation Section, Reference
Section, Computer Section, Periodical Section and Photocopy Section also facility is provided by University Libraries.

**Acquisition Section:-**

34. In the agricultural university libraries, the number of books accessioned is between 400-500 per week, which can be said satisfactory.

35. But sometime the accession of books per week is not satisfactory for various reasons like absence of staff, undeclared holidays and assigning other works to the library staff.

**Book and Journals Selection:-**

36. The books and journals to be added in the library are selected by Heads of the Departments, Sometime Heads of the Departments, Faculties and Researches both select the books and journals. The University Library committee and librarian also select books and journals for the library.

37. Books are acquired for library direct from Publisher/through booksellers, Agents through, Some time library invites quotations and is approved by the Vice-Canceller on the recommendation of the library committee.

38. Journals are acquired for the library direct from Publisher/through, Agents/booksellers through.

39. Present Acquisition of the books, journals and other documents selection and parches procedure mention out of 4 (25%) standing order criteria, 4 (25%) approval criteria, 4 (25%) books reviews and 4 (25%) any others criteria of books exhibition.

40. The Agricultural University libraries face problems in procurement of the books for lack of funds, secondly due to the non-fulfillment of the procedure of the university such as the demand of the faculty, researcher and all reader to be recommended by the Head of the Department of concerned subject. Thirdly Heads of the Departments are not and cannot be the specialists of all branches of the subject. Fourthly, the books needed or demanded are not readily available with the booksellers.

**Classification and Cataloguing:-**

41. All Agricultural University Libraries of Gujarat State follow the DDC Scheme of Classification.

42. All Agricultural University Libraries has adopted AACR-II code for cataloguing the books.
43. **Use library catalogue** 53 (31.54%) faculties use library catalogue very frequently, 45 (26.79%) faculties use of library catalogue frequently, 28 (16.67%) faculties use of library catalogue sometimes, 20 (11.90%) faculties use of library catalogue rarely and 22 (13.10%) faculties never use of library catalogue.

**Periodical Section:**

44. All Agricultural University libraries Subscribes Policy for Indian and foreign periodicals from quotations system and direct subscription in publisher of periodicals and agencies through.

45. But the all agricultural university libraries feel problems in subscribing Foreign Periodicals through agencies due to following reasons- (a) take time in delivery (b) advance payment to be made through agencies (c) issues are misplaced in transit and (d) conversation of Foreign exchange.

46. All Agricultural University libraries users of the faculty and researchers is number of periodicals currently being subscribed is out of 112 (42%) print form format, 73 (27%) CD-ROM format and 85 (31%) online format.

47. All Agricultural University libraries users of the faculty and researchers Sending of research papers in journals 116 (69.05%) faculties are yes (send) sending of research papers in journals and 52 (30.95%) faculties do not sending of research papers in Journals.

48. All Agricultural University libraries users of the faculty and researchers Purpose of using the periodicals by faculties 52 (30.95%) knowledge, 36 (21.42%) research work, 44 (26.20%) teaching work, 32 (19.04%) general awareness, and 4 (2.39%) some other reasons.

49. Most of the faculties use Periodicals for more than one purpose. Main purpose is for updating the Knowledge.

50. All Agricultural University libraries users of the faculty and researchers Journals Frequently out of 4 (50%) resolved have once a day, 2 (25%) resolved have twice a day, 1 (12.50%) resolved have when ever need arises and 1 (12.50%) resolved have any other.

51. All Agricultural University libraries is Current Journals Display out of 4 (50%) display in the reading room, 4 (50%) display in the separate periodicals room.
Reference Section:
52. All Agricultural University libraries of Gujarat State have a big and separate reference section.
53. All Agricultural University libraries of Gujarat State reference section is very rich, complete series of Encyclopedia Britannica and other Reference Tools like subject dictionaries, Yearbooks etc. Also available in the University Libraries Collection.
54. All Agricultural University libraries render both long and ready range reference service.

Reprographic service:
55. All Agricultural University libraries of Gujarat State have a big and separate reprographic service is yes.
56. Majority of University Libraries is reprographic services provided by maximum 4 (50%) Photocopying (Document delivery) service and minimum University Library is reprographic service provided by micrographic (Microfilm, Microfiche etc.), audio-visual (Sound film, Video film etc.) and photographic (Photographs, Color slides etc.) service.

Information Technology Services:
57. All Agricultural University libraries of Gujarat State have been use of information technology services is out of 4 (14.29%) computer service, 4 (12.28%) fax service, 4 (14.28%) mobile service, 4 (14.29%) e-mail service, 4 (14.29%) internet service, 4 (14.29%) on-line service and 4 (14.28%) CD-ROM service, etc.

Information Sources:
58. Most of A. U. Faculties Use of Information Sources is out of 21 (12.50%) use of books, 16 (9.52%) use periodicals, 14 (8.33%) use news paper files, 10 (5.95%) use press cuttings, 12 (7.14%) use doctoral dissertations and theses, 11 (6.54%) use References Books as a source of Informal 5 (2.98%), use Document, 4 (2.39%), use Maps, 6 (3.58%) use Statistical Tables 6 (3.58%), use of Proceedings of Conference/ Seminars, 12 (7.14%) use Library Acquisition lists, 10 (5.95%) use survey articles 12 (7.14%) and 11 (6.54%) use official documents and 10 (5.95%) use of faculties of Internet.
59. Thus the maximum number of University faculties use Books, Periodicals, References Books and Proceedings of Conference/ Seminars as the Sources of Information.
60. Most of Agricultural University faculties of Gujarat State Used by **Formal Information Sources** is out of 32 (19.04%) faculties use of Textbooks/ Handbooks, 26 (15.47%) faculties use of Periodicals, 15 (8.92%) faculties use of Encyclopedias, 12 (7.14%) faculties use of Dictionaries, 12 (7.14%) faculties use of Research Report, 13 (7.73%) faculties use of Proceedings of Conference/ Seminars/ Workshop, 5 (2.98%), faculties use of Annual review, 4 (2.39%), faculties use of Patterns, 6 (5.59%) faculties use of Standards 10 (5.95%), faculties use of Theses and Dissertations, 12 (7.14%) faculties use of References Books, 8 (4.76%) faculties use of Indexing Journals 6 (3.59%) faculties use of Abstracting Journals and 7 (4.14%) faculties use of faculties of Bibliographies.

61. **Research need of Information Sources**- Most of Agricultural University Researchers is Use of research need of information sources is provided by University Libraries out of 5 (4.91%) Encyclopedia, 5 (4.91%) Dictionaries, 8 (7.84%) Periodicals, 4 (3.92%) Research Reports, 7 (6.86%) Proceedings of Conference/ Seminars/ Workshop, 3 (2.94%) Annual review, 2 (1.96%) Patents, 3 (2.94%) Standards, 9 (8.82%) Theses and Dissertations, 10 (9.80%) References Books, 5 (4.91%) Indexing Journals, 5 (4.91%) Abstracting Journals, 9 (8.82%) Internet/Web resources, 3 (2.94%) CD ROM Databases, 3 (2.94%) Online databases, 4 (3.92%) E-books, 4 (3.92%) E-Journals, 4 (3.92%) Bibliographies etc.

62. **Purpose of Information Sources in Research Need** of agricultural university libraries of Gujarat State users of researchers out of 27 (26.48%) academic purposes, 25 (24.50%) research, 26 (25.50%) course work, 16 (15.68%) competitive examination and 8 (7.84%) Keep up to date etc.

63. Most of Agricultural University faculties provided by **Used Informal Information Sources** are out of 42 (25%) Discussion with Colleagues/ teachers, 54 (32.14%) Attending Lectures, 36 (21.42%) Attending Seminars/Conferences/ Workshops, 24 (14.28%) Reading list prepared by Librarians, and 12 (7.14%) If others information.

64. **Use of E-sources Information** – Most of Agricultural University Researchers provided by out of 85 (83.33%) researchers is yes, and 17 (16.67%) researchers are not use of e-sources information.

65. **E-Resources** - Most of Agricultural University faculties provided by e-resources out of 48 (28.58%) Internet, 40 (23.80%) E-mail, 36 (21.42%) Face book, 24 (14.28%) Online Databases, 10 (5.95%) CD-ROM, 8 (4.77%) Audio-Visual and 2 (1.20%) Radio.
66. **Electronic Information Sources** - Most of Agricultural University faculties provided by Electronic Information Sources are out of 26 (15.48%) CD-ROM Databases, 58 (34.52%) Internet, 44 (26.20%) E-Books, 32 (19.04%) E-journals, and 8 (4.76%) Any others Electronic Information Sources.

67. Most of Agricultural University researchers provided by Electronic Information Sources are out of 28 (27.46%) Internet, 12 (11.74%) E-mail, 16 (15.69%) E-books, 14 (13.72%) E-journals, 11 (10.79%) Online databases any others, 8 (7.84%) CD-ROM, 7 (6.87%) audio-visual sources, 6 (5.89%) Radio.

68. **Use of E-Resources Databases** availability of following in Researchers of Agricultural University Libraries of Gujarat State out of 15 (14.70%) e-resources databases (Abstract and Indexing databases), 14 (13.73%) full text databases, 24 (23.52%) e-books, 18 (17.65%) e-journals, 12 (11.77%) e-newsletters, 10 (9.80%) Web resources, 9 (8.83%) Open sources.

69. Most of all agricultural University Users Use of E-Resources Database collection deviated by Categories wise users out of 8628 (78.82%) UG / PG Students, 563 (5.14%) Research scholars, 789 (5.21%) Faculty members, 611 (5.58%) Outsiders, 355 (3.24%) any other.

70. **Research Purpose** of Researchers in Agricultural University Libraries of Gujarat State out of 17 (16.67%) lecture notes preparations in research, 16 (15.70%) article publications, 13 (12.74%) research works, 10 (9.80%) academic interests purpose in research, 8 (7.84%) building concept purpose in research, 15 (14.70%) general knowledge research, 12 (11.76%) conference & seminar, 11 (10.79%) workshop etc.

**Library Visit:-**

71. Majority of University Researchers visit their University Library when needed or 38 (37.25%) daily visit the library. It indicates that maximum number of researchers visit the library when they are in need.

72. **Reasons of Not using library frequently**- Majority of Researchers in the reasons of not using the library i.e. 20 (19.60%) due to long distance from residence, 16 (15.69%) due to long distance from place of work 16 (15.69%), due to shortage of time, 14 (13.72%) due to unhelpful attitude of library staff, 12 (11.77%) due to unavailability of reading material, 11 (10.79%) and 10 (9.80%), do not use due to unsuitability of opening hours of library and 5 (4.90%) due to some other reasons etc.
6.2.4 Library and Information Services:

73. Most of the University researchers using time period in generally visit the university library i.e. 26 (25.50%) the maximum number of researchers visit the university library during 2- 4 P. M. and 14 (13.72%) minimum researchers generally visit the library time between 12-2 P. M., when they are free or according to their suitable time.

74. Most of the University researchers using time spend in University Library i.e. 26 (25.50%) spend more than 4 to 6 hour in library and 10 (9.80%) spend more than 10 to 12 hour time in the library.

75. Majority of Agricultural universities library users’ of Faculty and Researchers provided by book issue service use library is Browne’s methods.

76. Most of Faculties provided by information services is use more than one service and maximum number out of 27 (16.07%) faculties uses references services and minimum 15 (8.92%) Abstracting Services.

Purpose of Visits-

77. The Purpose of visit of the University library user majority of researchers to the library is to get books issued and to use periodicals.

78. Books are the most important sources of information followed by Reference Books and Periodicals.

Research need of Researchers:

79. Most of Used by Researchers research need in AU libraries Collections materials out of 14 (13.73%) maximum researchers research need use of Textbooks/ Handbooks and minimum use of researchers research need is 0 (%) Patterns, 1 (0.98%) researcher’s use of Standards.

80. Most of Used by Researchers research need in AU libraries Collections materials 43 (42.16%) researchers’ use of research need met by Adequate, 34 (33.33%) Partial Adequate, 25 (24.51%) Inadequate.

Computerized Library Service-

81. Computerized library services provided by agricultural university Libraries of Gujarat State out of 4 (33.34%) circulation service, 4 (33.34%) literature search within the libraries service, 2 (16.66%) literature search through national net works service, 2 (16.66%) literature search through international net works service.
82. All agricultural University Libraries of Gujarat State are On-line service facility provided by Faculty and Researchers is yes.

**Reservation of Books**-

83. All Agricultural University Faculty is Reservation of Books facility provided by out of 64 (38.10%) faculty new & good books are yes and while 104 (61.90%) faculties do not make any reservation for new books are No.

**Network Service**-

84. Most of all Agricultural University Library of Gujarat State is Network Facility provided by user of faculty and researchers is yes.

85. Most of all Agricultural University Libraries and his Office have been Internet Facility provided by Faculty is out of 118 (70.24%) yes and 50 (29.76%) no.

86. Most of all agricultural University of Faculty and Researchers is Search Engine Service Provided is grater in CD- ROM and On-line search engine service.

**Helpful and Response of Library Staff**-

87. Most of all Agricultural University Library Staff has been library user in Faculties helpful is 47 (27.98%), always helpful, 30 (17.86%), often helpful 53 (31.54%) sometimes helpful and 18 (10.71%) rarely respectively helpful and 20 (11.90%) faculties do not find the staff helpful is never.

88. Most of Response of the library staff in All Agricultural University library users in faculties is out of 68 (40.47%) highly satisfactory, 43 (25.60%) Satisfactory, 35 (20.83%) not Satisfactory, and 22 (13.10%) Par.

89. Helpful of Researchers has been University Library Staff is Research Topic Selection is out of 73 (71.57%) most helpful is yes and 29 (28.43%) do not find the no helpful is research topic in researchers.

90. Helpful of Researchers has been University Library Staff is Research Topic Selection material / requirements is out of 88 (86.27%) yes and 14 (13.73%) not find the no helpful is research topic selection material /requirements.

91. Helpful of Researchers has been University Library Staff is interested by definite research topic selection material provide out of 80 (78.43%) yes and 22 (21.57%) researchers are not interested by definite topic selection material provided by No.

92. Most of all agricultural University of Researchers Research topic selection preference has information collected out of 44 (43.13%) number one, 32 (31.37%) number two, and 26 (25.50%) number three.
93. Most of all agricultural University of Researchers Research topic selection stage out of 32 (31.38%) researchers topic selection 1st stage of problem, 40 (39.21%) researchers are research topic selection 2nd stage of preparation of research bibliography, 18 (17.64%) researchers are research topic selection 3rd stage of Initiating work on the Problem and 12 (11.77%) researchers are topic selection 4th stage of At the typing stage of the research work.

94. Most of all agricultural University of Researchers have successfully research topic selection of material require Sources provided by library staff out of 52 (50.98%) is mostly, 38 (37.25%) is partially, 12 (11.77%) is never.

95. Most of all agricultural University of Researchers Research topic selection have current literature provided in agricultural university libraries staff has been out of 21 (20.59%) field of book trade catalogue, 15 (14.70%) field of Bibliographies, Indexing & Abstracting criteria, 11 (10.79%) field of Addition list issued by library current literature, 12 (11.77%) field of Book reviews is news papers & Periodicals, 13 (12.74%) field of Internet, 11 (10.79%) field of E-books, 10 (9.80%) field of E-journals, 5 (4.90%) field of CD-ROM and 4 (3.92%) field of any other sources.

96. Most of all Agricultural University Researchers of Research topic selection has been collected the information sources preference is 12 (11.77%) searching the shelves, 14 (13.72%) subject catalogue, 15 (14.71%) asking the library staff helpful, 9 (8.82%) Discussion with colleagues/Research, 10 (9.80%) subject bibliography, 13 (12.74) Internet, 11 (10.79%) E-books, 8 (7.84%) E-journals, 7 (6.87%) CD-ROM and 3 (2.94%) any other information sources.

**Teaching and Research Need**

97. Most of Extent teaching needs provided by Agricultural University faculties is use of documents in research and teaching needs extent use of Textbooks/ Handbooks Encyclopedias, Dictionaries, Periodicals, Research Report, Proceedings of Conference/ Seminars/ Workshop, Patterns, Standards, Theses and Dissertations, References Books, Indexing / Abstracting Journals, Bibliographies. CD-ROM Databases, Internet, E-books, E-journals, any other source are teaching need.

98. Most of Extent teaching needs provided by Agricultural University faculties out of 64 (38.10%) Extent Teaching Needs have Adequate, 54 (32.14%) Extent teaching needs have Partial Adequate, 50 (29.76%) Extent teaching needs is collection of the books having Inadequate.
Events are conduct of the all Agricultural University faculties on the Conferences/Seminars/Workshop/Lectures etc. on their subject. According to the out of 50 (29.77%) very frequently, 39 (23.21%) frequently, 33 (19.64%) some times, 25 (14.88%) rarely while only 21 (12.50%) never take interest in such programmes.

100. Most of All Agricultural University Faculty and Researchers use of Data Creation of Books.

101. Most of all Agricultural University Faculty and Researchers has been use of CD-ROM Searches themselves.

102. Most of all agricultural University faculty and researchers of Information Dissemination Process Facility provided by users is Telex, telephone, fax, E-mail, Internet/home page, Web OPAC etc.

103. Most of all agricultural University faculty and researchers Users provided in seeking information sources is review of articles by library users is Abstracting sources, Indexing sources and library catalogue sources etc.

104. All agricultural University faculty and Researchers users provided services rate the utility of service is Excellent service, Good service, Fair service, Satisfactory service and not satisfactory utility of the service by the user in AU Libraries of Gujarat State.

105. Most of All agricultural University faculty and Researchers Purpose of Users provided by Primarily Uses are Teaching, Research, Scholarly writings, Self knowledge, prescribed course and Recreation etc.

6.2.5 Information Seeking Behaviour:

Library Training program-

106. Most of all Agricultural University of Gujarat State Libraries timings by Users in Researchers is out of 92 (90.20%) researchers has been Libraries timings are suitable have yes, and 10 (9.80%) researchers has been agricultural university libraries timing are not suitable.

107. Most of all Agricultural University of Gujarat State Libraries timings by Users in Researchers are comfortable to read is 89 (87.25%) yes, and 13 (12.75%) is not comfortable to read.

108. Most of all Agricultural University of Gujarat State Library Training program by Users in Faculties use of Library is 60 (35.72%) Very great extent, 43 (25.60%) great extent, 34 (20.23%) up to some extent, 18 (10.72%) up to little extent and only 13 (7.73%) faculties feel the need of any training program for users.
109. Most of all Agricultural University of Gujarat State Library opening hour are how much are convenient for faculties is 65 (38.70%) find very convenient, 47 (27.98%) find fairly convenient, 30 (17.85%) find convenient, 16 (9.52%) find inconvenient and 10 (5.95%) faculties find that library opening hours are very inconvenient.

110. Most of University Library Ideal timing is comfortable in University library user by Researchers is out of 14 (13.72%) ideal timing is not comfortable timing is 8 to 10 AM hours (Prior to university time), 29 (28.44%) ideal timing is comfortable in 16 to 18 PM hours (After University time), and 18 (17.64%) ideal timing is comfortable in every time.

111. Most of all Agricultural University Researchers has been Research reading timing problem or looking for information is out of 28 (27.45%) extremely difficult, 34 (33.34%) considerable problem, 22 (21.56%) little problem, 18 (17.65%) no problem.

112. Most of Knowledge about a new publication acquired by University library users of Faculty out of 26 (15.48%) Display in libraries, 32 (19.05%) list of editors, 18 (10.71%) library catalogues, 38 (22.61%) library information through teachers and 54 (32.15%) librarian and library staff through information provided by new publication.

113. Most of Agricultural University Faculty sending of research papers in journals is 116 (69.05%) yes (send) sending of research papers in journals and 52 (30.95%) faculties do not sending of research papers in Journals.

114. Most of Agricultural University Faculty Visit other libraries on their subject information is out of 44 (26.20%) faculties Yes- visit other libraries on their subject information and 124 (73.80%) faculties No-do not visit other libraries on their subject information.

115. Most of Agricultural University Faculty is get latest books opinion facility provided is out of 128 (76.20%) faculty yes given their opinion that they get latest books in University library, and 40 (23.80%) faculties have do not get latest books in the University library.

116. Most of Agricultural University Faculty is Personal library development at home is out of 134 (79.77%) faculty personal library development at home have Yes and 34 (20.23%) Faculties have been personal library development at home are no.

117. Most of Agricultural University Researchers required information is available in University library is out of 22 (21.57%) discussing with colleagues, 28 (27.46%) Attending conferences/seminars/symposia etc. 20 (19.60%) Visiting exhibitions, 18
(17.65%) through conversation librarian/experts/scientist/technological Gatekeepers and other, and 14 (13.72%) scanning literature.

118. Most of all Agricultural University Researchers is Research purpose facility provided by University Library out of 32 (31.38%) study/research/training, 24 (23.52%) books and journals, 16 (15.69%) borrow books, 14 (13.73%) to read some light reading materials, 10 (9.80%) to spent leisure time, and 6 (5.88%) any other purpose.

119. Most of Agricultural University Researchers of Reasons for seeking information is out of 21 (20.58%) to prepare for class room, 17 (16.67%) general awareness of new knowledge, 14 (13.73%) participating in the seminars/conferences/workshop etc. 13 (12.75%) to meet the needs of promotional opportunities, 12 (11.77%) to generate new information out of curiosity & inquisitiveness, 15 (14.70%) to write text books/Articles etc. 10 (9.80%) other reasons like research work etc.

120. Most of Agricultural University Researchers of Research level of satisfaction in best suits option out of 42 (41.18%) satisfactory, 32 (31.37%) fair, and 28 (27.45%) unsatisfactory.

121. Most of Agricultural University Researchers is Reasons of Dissatisfaction is out of 32 (31.37%) information not up–to- data provided in library staff, 18 (17.65%) information incomplete provided in library staff, 15 (14.70%) local library inadequate has not provided in library staff, 14 (13.72%) service not prompt in library staff, 12 (11.78%) library service insufficient of library staff, 11 (10.78%) irrelevant information provided in library staff.

122. Most of Agricultural University Researchers is Reading Material provided by Research Subject is out of 89 (87.25%) is yes and 13 (12.75%) not provided the reading material on the research subject in agricultural university libraries.

123. Most of Agricultural University Researchers provided by other library services is Inter-library loans services, and Internet services.

124. Most of Agricultural University Researchers is Research methods field of trips provided by university library out of 22 (21.57%) foreign trips, 18 (17.65%) field of conferences, 11 (10.78%) field of invisible, 10 (9.80%) Keeping up-to-date in agricultural university libraries researchers of Gujarat State.

125. Most of Agricultural University Researchers is Research channel of a seeking out of 12 (11.77%) a seeking the author for the reprint provided of access information, 8 (7.84%) attending seminars, conferences, symposia etc. provided in access
information, 6 (5.88%) accessing online databases provided in access information, 5 (4.90%) writing a letter to friends in India / Abroad provided in access information, 4 (3.92%) telephone in access information, 9 (8.82%) e-mail in access information, 11 (10.79%) personal visit to a subject specialist in access information, 7 (6.87%) personal collection of colleagues in access information, 10 (9.80%) Personal Collection in access information, 13 (12.75%) Departmental Library access information, 14 (13.72%) University Library access information 3 (2.94%) any other channels access information provided in researcher.

126. Most of Agricultural University Researchers is Difficulties accessing information out of 16 (15.70%) lack of time, 20 (19.60%) lack of access to all the information, 22 (21.57%) lack of reading material, 18 (17.64%) lack of knowledge of information sources, 14 (13.72%) lack of knowledge in use of library service, 12 (11.77%) unfriendly library staff in agricultural university researchers.

**Problem of Information Searching:**

127. Most of all Agricultural University Researchers is Problem of information searching by university library automation is out of 18 (17.65%) yes, and 84 (82.35%) is no.

128. Most of all Agricultural University Researchers is Face any problem of searching information by University Library Automation is out of 33 (32.35%) extremely difficult, 26 (25.49%) considerable problem, 21 (20.59%) little problem, 22 (21.57%) No Problem.

129. Most of all Agricultural University Researchers Issued by reference materials provided is out of 25 (24.51%) strongly agree, 35 (34.31%) Agree, 18 (17.65%) Undecided, 15 (14.71%) Decided, and 9 (8.82%) Strongly Disagree.

130. Most of all Agricultural University Researchers use of services / information generated from national and international bodies’ agencies out of 83 (81.37%) yes, and 19 (18.63%) no.

131. Majority of all Agricultural University Faculties Suggestion for Improvement of Library Services provided by University Libraries is out of 136 (80.95%) faculties are yes, and 32 (19.05%) faculties are not suggest in library services provided.

**Automation services:**

132. Most of all Agricultural University Libraries are Available in computer lab is yes

133. Most of all Agricultural University Library users of Faculty and Researchers provided by computer facility out of 36 (24%) Anand Agricultural University library
provided is computer facility in library users, 32 (21.05%) Junagadh Agricultural University library provided is computer facility in library users, 56 (37%) Navsari Agricultural University library provided is computer facility in library users and 28 (18.42%) SardarKrushinagar Dantiwada Agricultural University library provided is computer facility in library users.

134. Most of all Agricultural University Libraries are Available in library automation software a package is yes.


136. Most of all agricultural University Libraries are use of automation packages server is MS SQL Server- 2009 is yes.

137. Most of all agricultural University Libraries are available in Computer Trained Staff is yes.

138. Most of all agricultural University Libraries are Available Computerized Services is CAS, SDI, Databases searches, Bibliographical services, Union catalogue access, and 4 (16.67%) Article delivery service.

139. Most of all agricultural University Libraries are provided by library users in E-mail Service are yes.

140. Most of all agricultural University Libraries are getting e-mail service provided by Faculties out of 63 (37.50%) frequently, 45 (26.79%) some times, 28 (16.67%) rarely, 20 (11.90%) never, and 12 (7.14%) not available in the library.

141. Most of all agricultural University Libraries are LAN facilities services provided by library users are yes.

142. Most of all agricultural University Libraries are Library Network system provided by Researchers out of 85 (83.33%) yes, and 17 (16.67%) not available.

143. Most of all agricultural University Libraries are Skills in using catalogues and electronic data banks obtaining by Researchers out of 94 (92.15%) yes, and 08 (7.85%) not available.
Most of all agricultural University Libraries are Internet Service Provided by
Researches is out of 92 (90.20%) provide internet services is yes, and 10 (9.80%)
provide internet services is no.

Most of all agricultural University Libraries user provided by Internet facilities
services is yes.

Most of all agricultural University Researchers provided by Internet Facility is out
of 90 (88.24%) yes, and 12 (11.76%) internet facility is not provided in agricultural
university libraries of Gujarat State.

Most of all agricultural University Researchers provided by Internet user facility is
sufficient is out of 94 (92.16%) yes, and 8 (7.84%) not sufficient in agricultural
university libraries users of Gujarat State.

Most of all agricultural University Libraries are Internet Mode of Connectivity
packages available in Dial-up packages, Leased Line packages and V-SAT packages.

Most of all agricultural University Libraries users are provided by E-database
services is yes.

Most of all agricultural University Libraries are Available in e-resources database is
J-GATE, IBID, CMIE Economics Outlook, CAB Abstract, VET Abstract, AGRIS,
AGRICOLA, and J-GATE e-resources database provided in Agricultural University
libraries in Gujarat State.

Most of all agricultural University Libraries are Available in digital library services is
yes.

Most of all agricultural University Libraries are Available in Digital collection has
been out of 1500 (47.73%) E-books, 24 (0.76%) E-journals, 55 (1.75%) E-reports, 31
(0.99%) E-database, 83 (2.64%) E-Theses and 1450 (46.13%) CD-ROMs etc. digital
databases are available in Agricultural University libraries in Gujarat State.

6.3 Suggestions of the Librarian, Faculty and Researchers:

On the basis of the findings revealed by the study and on the basis of the large
number of suggestion/ comments received from the librarians, Faculty and
Researchers of the Agricultural University and researcher’s own experience, a set of
suggestions are put forwarded here for the improvement of the present status of
Agricultural University Libraries of Gujarat.

To overcome the problems faced by faculty and researchers of University library
following suggestion may prove fruitful-
1. The staffing should be at par with the recommendation of the UGC and ICAR.
2. Open Access system be adopted for the all Agricultural University faculty, researcher and other users.
3. Discount approved by Good Office Committee (GOC) should be followed.
4. Up to date reference sources should be made available in the library.
5. University Library Vacant posts should be filled up at the earliest.
6. The University library should be fully computerized.
7. IT based services such, as E-mail, Video-conferencing, and Telecast etc. have to be introduced in the all Agricultural University Libraries.
8. All four agricultural university libraries have not mentioned the Book Bank services provided in poor students.
9. All four agricultural university libraries have give a direct link to on-line services has E-resources, e-books, e-journals, e-thesis, e-bibliography and e-databases etc.
10. All four agricultural university libraries are improvement of infrastructure like implementation of wireless technology, CCTV and Web Camera up gradation of server, desktops etc.
11. Bibliographic records of library were digitized and automated for SOUL 2.0 software.
12. All four agricultural university libraries have started Wi-Fi Internet facility for the Users.
13. All four agricultural university libraries have provided the separate reading room to users during night hours.
14. All libraries have completed bar-cording of the library documents.
15. All libraries have successfully completed e-Granth Project.
16. National workshop on KOHA professional Training was organized by University libraries.
17. Proper refresher and orientation programme be arranged for the All Agricultural University in Gujarat.

**Physical Facility:**

18. Separate reading room facility for faculty and researchers.
19. Separate reading room for boys and girls,
20. Most of Reading room facility provided by faculty and researcher user service provided in nights.
21. The display board in the library should show interesting information on current topic of research and teaching need.

22. The library would be open on all working days and for the entire duration of university libraries hours.

23. The library should be facilitated with sufficient infrastructure.

24. There should be a rest corner in library for faculty and researchers.

**Rules and Regulation:**

25. Any kind of noise must be avoided in the library.

26. Library hours for students must be specific.

**Administration and Finance source:**

27. As the quality and quantity matter of education depends on library, immediate action is need to university libraries librarian.

28. Library income sources are used only for development of library.

29. UGC, ICAR, and Government of Gujarat should provide sufficient fund for purchase latest books, journals, e-resources database, ICT pats and agricultural reports etc.

**Collection Development:**

30. Library should follow collection development policy.

31. There should be sufficient collection of subject related Textbook and Reference books to each subject.

32. Rare books on particular teaching and research topic related materials to each subject.

33. Library should give attention to subscribe more subject related agricultural journals and periodicals to give information about latest amendments and new updates.

34. Library should update collection every year.

35. Library should have open access system. i.e. CAB, AGRIS, AGRICOLA, IBID, J-Gate etc.

36. There should be policy for missing books in the library.

37. Collection of books and journals should be changed in accordance with the demands of faculty and researches in agricultural university libraries of Gujarat state.

38. In present scenario library should have collection of audio-visual materials like CD-ROMs, DVDs, e-books, e-journals, e-thesis, e-databases, etc.

39. All Agricultural university Libraries collection database has been converted in to KOHA Professional library software. Library staff has been given the training in workshop organized all university libraries of Gujarat State.
**Library Services:**

40. Library should implemented faculty and researchers’ awareness program like book exhibition and seminar/conference etc.

41. Library should have inter-library loan facility.

42. Internet lab Facilities.

43. Online Database: CAB Database, VET Database, Plant Biotechnology, CMIE Indian online commodities, India Stat etc Services.

44. Books Display Services.

45. Discussion Room Services.

46. CCTV Camera Facilities

47. CeRA,

48. Krishi Prabha through NAIP Project.

49. Reprography Services:

50. faculties’ suggestions for improvement of library service have been increasing the total number of references books, current journals, increasing the electronic sources such as databases, subscription of more number of e-books and e-journals, provision of Internet information services, concluding of regular orientation programs about the use of classification and catalogues, appointment of references librarian services, provision of guide cards to use the library service, provision of subject gateways, provision for complete automation of the library, provision of conducive reading environment, speed in the delivery of e-resources etc. Library services provided in faculty and researchers in agricultural University libraries of Gujarat State.

**Automation of University Library:**

51. According to Dr. S. R. Rangnathan’s fourth law “Save the time of users”, library should be computerized.

52. Complete training should be necessary to run library SOUL 2.0 software for library professional and non-professional staff.

53. There should be easy software for library automation.

54. Agricultural University Libraries should be connecting with Networking.

55. All important references should be digitized.

56. Hardware devices like printer, Barcode Scanner, UPS, External Hard disk, Xerox machine should available in the University libraries.

57. More computers should be available for the university libraries.
58. Agricultural university libraries should have separate computers for Faculty and Researchers.
59. University library function like acquisition, cataloguing, circulation, serial control should have been done through computer.
60. Establish and develop of e-granth project and e-theses through KRISHIPRABHA.
61. University libraries should be On-line E-Resource Services through CeRA under NAIP project library, which delivered the photo copies of full text articles to Faculty and Researchers of Agricultural Universities of Gujarat State.
62. Developed a group catalogue to share library resource of digital platform.
63. All University Libraries should have own Website.

**Other Suggestion:**

64. All University Libraries should arrange different type of programs like book fair, Quiz competition,
65. For university libraries should take feedback of Faculty and Researchers.

**6.4 RECOMMENDATION FOR FURTHER RESEARCH:**

The researcher, while conducting the present study, identifies certain areas for further research. They are discussed below:

6.4.1 A Study of Collection Development Policy of Agricultural University Libraries of Gujarat State.
6.4.2 Impact of Information Seeking Behaviour and ICT on Collection Development in Agricultural University Libraries of Gujarat.
6.4.3 A comprehensive study on Library Automation in the Development of Agricultural University Libraries of Gujarat.
6.4.5 A study of information seeking behaviour of users of special libraries.
6.4.6 A comparative study of information seeking behaviour of faculty and researchers of Agricultural University, Gujarat and Agricultural University of Maharashtra.
6.4.7 A study of information seeking behaviour of Faculty and Researcher of Medical Colleges of Gujarat.
6.4.8 A study of information seeking behaviour of Teachers of Degree Colleges.
6.5 **Future Scope:**

The aforesaid text has clearly highlighted that agricultural universities library researchers will constitute an integral part in the skills development of faculty and research students and nations. The faculty and research students and professionals alike will information need to upgrade their skills and knowledge alike and this will require vast libraries and almost invariable digital libraries. Such libraries must be easily accessible as brought out in this study. Though, this study has focused in Gujarat state, invariable these recommendations will have to be implemented in whole of the country for enabling sustainable growth and development in the decades to come.